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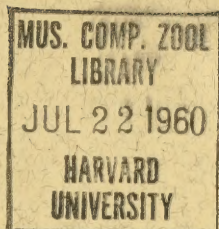
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**BULLETINS
OF
AMERICAN
PALEONTOLOGY**



VOL. XL

NUMBER 184

**CATALOGUE OF THE TYPE AND FIGURED
SPECIMENS IN THE PALEONTOLOGICAL
RESEARCH INSTITUTION**

By
Doris C. Brann
and
Lois S. Kent

1960

Paleontological Research Institution
Ithaca, New York
U.S.A.

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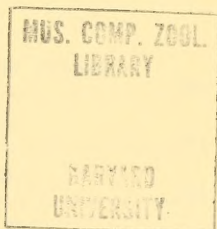
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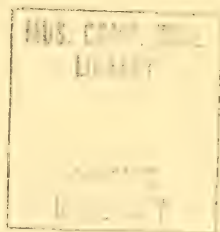
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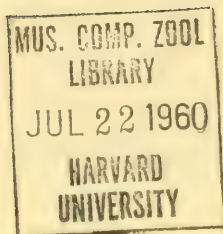
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. . . an educational institution to receive, collect, preserve and make accessible to students and scientists paleontological and geological type specimens and exhibits; to make and conduct scientific explorations, researches, investigations and experiments, to collect and preserve scientific data, reports, graphs, maps, documents and publications; to make available by publications, exhibits, lectures and otherwise, all information at its disposal; to hold in trust or properly disburse funds provided by benefactors for research or scholarships; and to stimulate interest in and increase and disseminate scientific knowledge particularly in reference to paleontology, under the corporate name of Paleontological Research Institution, to be located in the City of Ithaca, County of Tompkins and State of New York . . .

Charter, 1933.

University of the State of New York, Education Department

PREFACE

"Prove all things; hold fast that which is good!"

The present catalogue is the culmination of over 50 years of field work, research, publication, preservation, and cataloguing of paleontological type and published material. The first stage began with the private collection of Professor Gilbert D. Harris and his publication in 1895 of number one, volume one of the *Bulletins of American Paleontology*. Through his efforts and those of his students and colleagues further growth of such collections was accomplished and the list of publications expanded. To provide fireproof protection for such valuable material, the Paleontological Research Institution was founded by Harris in 1932 and quarters were built for safe storage. Mindful that fire has been a great devastator of museums and their irreplaceable contents through the years the Institution in its founding and continued policy has been firm to maintain such protection. Linnaeus built his 'Museum in altis' at Hammarby in 1758, to house his scientific collections away from the storage risk of the wooden buildings of his summer home. Thus the "father of taxonomy" saw not only the practical application of a system of binomial nomenclature (*Species Plantarum*, 1753; *Systema Naturae*, 1758) for the species of animals and plants which he named, but he was conscious that the specimens to which he had given such names were of value to be specially protected.

The realization of the importance of the preservation of types and published material becomes apparent to students when they have occasion to use such objects. An appreciation of the storage through hundreds of years by the museums of the Old World and over a hundred in American institutions is then manifest.

With the founding of the Paleontological Research Institution (1932) Harris made the gift to the organization of his collections and the publications previously printed by Harris (*Bulletins of American Paleontology* and *Palaeontographica Americana*). That Institution became responsible for the protection and development of activities as outlined in its charter. To this end the corporation is dedicated.

It is not fitting nor proper, except where continued research by an author requires that he have specimens accessible, that type and published specimens be retained in personal collections. The number of such specimens so lost to science is legion. When an author exercises his prerogative to describe new taxa of specific and of lower value or to make identifications which are published he becomes responsible to the scientific public for the specimens involved. Effort should be made to deposit such collections in institutions which maintain preservation, care, and availability of such material. Equally institutions which accept types and published specimens should fulfill the responsibility of such custody by realizing the seriousness of the task and should provide adequate perpetual care else such trust should not be accepted. Institutions which are set up mainly for teaching purposes normally are not proper repositories for original material, and other organizations which cannot vouch for safety and care of types should evaluate their resources and not receive type material. Valuable time is lost by taxonomists in searching for original specimens which have become lost, misplaced, or ignored over the years.

G. D. Harris, who served under William H. Dall's tutelage in the Smithsonian Institution (1889-1892), became thereby type conscious. Later when he carried out his own research and instigated that of his students at Cornell University, he emphasized the importance of preservation of types, segregated the specimens, and sought fire protection. In 1934, after the founding of the Paleontological Research Institution he provided funds for help to begin the cataloguing of the collection. Through his finances and that provided by the A. C. Veatch fund at Cornell University, Miss Lois Schoonover, (Mrs. Louis Kent) a graduate in geology at Oberlin College, initiated the arrangement and cataloguing of the type material while working for a Master of Arts degree at Cornell. Miss Schoonover catalogued the first suites of the types bringing the specimens into an arrangement which has been carried on with modifications. Following 1937, cataloguing was partially accomplished by assignment of numbers to authors and those numbers were published in their papers. In 1954, Miss Ruth Josephson (Mrs. Ray Fitch), biology student at Cornell University with financial help from the A. C. Veatch fund, was

employed for three months to check specimens with text. At the same time Mrs. Dora Hurd began the huge task of completing the cataloguing, cleaning, and labelling the entire collection consecutively to the present.

The extensive fossil and Recent material of Robert H. and Dorothy K. Palmer was donated to the Paleontological Research Institution in 1947. This included collections from the West Coast of the United States, Dominican Republic, Haiti, and Cuba. The list of the Cuban localities was published as *Bulletins of American Paleontology*, volume 31, No. 128, 1948. The greater number of the types and figured specimens described by Mrs. Palmer had been deposited in the United States National Museum. A few were discovered in the Palmer material and have been catalogued accordingly and recorded herein. Some Mexican fossil material collected by R. H. Palmer was included in the deposit.

In 1951 the late Helen Jeanne Plummer left to the Paleontological Research Institution her foraminiferal collections and library. That material became part of the research organization. A catalogue of the type and figured specimens which had been retained by Mrs. Plummer was prepared by Edward Marks and published in the October issue (1952) of the *Micropaleontologist* (vol. VI, No. 4). The names and data of that catalogue have been incorporated in the present work as well as a few which were found later and not included in the list by Marks.

On the death of Dr. Burnett Smith (1958) his large cabinets of Paleozoic and Cenozoic fossils were received by the Institution. Although Dr. Smith had deposited previously specimens described by him there were additional miscellaneous items in the bequest which had been published on. These have been segregated and incorporated in the type and figured material.

The Palmer, Plummer, and Smith collections had been excellently prepared. With the incorporation and coordination of those suites the research resources of the Paleontological Research Institution have been enriched and by such preservation the material is permanently available to workers.

In 1957 through financial aid from the Creole Petroleum Corporation, the Mene Grande Oil Company, and the Mobil

Oil Company de Venezuela, all of Caracas, plans were formulated and executed to publish a catalogue of the type and figured specimens in the institution.

The enormous task of bringing the final manuscript into a uniform style, checking text, plates, localities, and age, has been the work of Doris C. Brann (Mrs. James). Her patience and steady effort have made what was a tremendous job into an inspiring finality. Mesdames Fay Briggs, Marjorie Jones, and Norma Layton have performed the mechanical details in alphabetising the final copy conscientiously and expediently. For this we are genuinely appreciative. To all of the persons mentioned taxonomists owe a debt of gratitude for the contributions each made.

The type and figured collection has been segregated and maintained as a separate unit since the founding of the Institution. Some specimens were lost previously and other specimens failed to have been deposited by authors. Some specimens have been damaged through the early policy of gluing them to asbestos tiles. This was to protect in case of fire but unfortunately damage was done to specimens through such practice. This method has long been abandoned. It was part of the same philosophy for so-called protection used by preparators of collections of invertebrates through the 1800's. This was to fasten specimens to some material. Among well-known collections in which this technique was used were some of the Sowerby's pasting on wood, by P. P. Carpenter gluing on glass, and Wesley Newcomb fastening to cardboard. Some type and figured and unfigured paratypes have been found in material which was donated to the Paleontological Research Institution but which specimens were not segregated at the time of the deposit. Many authors of publications not printed by the Paleontological Research Institution have been generous in donating unfigured paratypes to the Institution. The organization is grateful for the trust thus displayed by those donors.

A hazard to nomenclatural work is the problem of collections in manuscript—the new names in which for various reasons do not get published. Unless such collections are carefully marked and if the manuscript is not to be published and the new names thereby not eliminated such nude names frequently become inserted in literature and cause confusion and unnecessary labor to taxonomists.

There are 10, 904 specimens considered in this catalogue. In addition miscellaneous material which has been recorded in publications is accounted for in the several Appendices.

Gratitude is extended to the authors who have through the years deposited types and figured specimens in the Paleontological Research Institution. It is through their efforts that the institution is able to fulfill a portion of the object for which it was founded.

The Institution wishes to thank Arthur N. Dusenbury, Jr., W. E. Franks, H. J. Funkhouser, F. W. Johnson, Jay Glenn Marks, Spence T. Taylor, N. E. Weisbord, and Virgil D. Winkler for their encouragement and recommendation that financial help be granted by the petroleum companies for the final stage of the project.

To the management of the Creole Petroleum Corporation of Caracas, Venezuela, the Mene Grande Oil Company, Caracas, Venezuela, and Mobil Oil de Venezuela, Caracas, Venezuela, the work is dedicated for without their financial aid the completion of the project and publication, in part, of the catalogue could not have been made.

Ithaca, New York
June 25, 1959

Katherine V. W. Palmer
Director

CATALOGUE OF THE TYPE AND FIGURED SPECIMENS IN THE PALEONTOLOGICAL RESEARCH INSTITUTION

DORIS C. BRANN

And

LOIS S. KENT

INTRODUCTION

This catalogue is an alphabetical list of the type specimens and the figured and unfigured specimens which have been included in publications and deposited in the Paleontological Research Institution, Ithaca, New York. Included for each specimen is its catalogue number, scientific name, author, type designation, complete reference, locality, and horizon. With the reference is such information as condition of specimen, changes in spelling, or other miscellaneous facts that might be helpful to the catalogue user. The locality has been extended to include the county or parish if in the United States or the smallest political subdivision in foreign countries. An attempt has been made to locate old or obscure localities, and the references that have been consulted which might assist the reader are cited.

Whenever necessary and possible the stratigraphy has been updated to conform to contemporary standards basing changes for domestic horizons on the correlation charts of North America prepared by the committee on stratigraphy of the National Research Council, published by the Geological Society of America, 1942-1954. The *Lexique Stratigraphique International Amérique Latine*, v. 5, XX Congrès Géologique International Commission de Stratigraphie published by Centre National de la Recherche Scientifique, Paris, was used as reference for Latin American horizons. Reconciliation between the major divisions of the Cretaceous should be made between the two standards. The age for three Peruvian Eocene formations have been changed as requested by A. A. Olsson in personal communication. These changes are indicated by an asterisk with further explanation in the list of abbreviations and corrections.

The abbreviations for the publications in which the type and figured specimens have been described or discussed are listed below.

LIST OF PUBLICATIONS REPRESENTED BY THE TYPE COLLECTION

Acad. Nat. Sci. Phila. Proc.

Academy of Natural Science Philadelphia Proceedings

A. A. P. G.

Bulletin of the American Association of Petroleum Geologists

Amer. Jour. Sci.

American Journal of Science

- | | |
|---------------------------------------|---|
| Amer. Mal. Union Pacific Div. | American Malacological Union Pacific Division |
| Amer. Midl. Nat. | American Midland Naturalist |
| Amer. Philos. Soc. Proc. | American Philosophical Society Proceedings |
| Ann. Carn. Mus. | Annals of the Carnegie Museum |
| B. A. P. | Bulletins of American Paleontology |
| Bull. British Mus. (Nat. Hist.) Geol. | Bulletins British Museum (Natural History) Geology |
| Commun. Serviços Geol. de Portugal | Comunicações dos Serviços Geológicos de Portugal |
| Cont. Cushman Fd. | Contributions from the Cushman Foundation for Foraminiferal Research |
| Cornell Rural School Leaflet | Cornell Rural School Leaflet |
| Cushman Lab. Foram Res. Contr. | Contributions from the Cushman Laboratory for Foraminiferal Research |
| Ecological Monographs | Ecological Monographs (Duke University) |
| Elementary Geology | Tarr, R. S., Elementary Geology, Macmillan Co., 1906 |
| Evening Tribune | Evening Tribune, San Diego, California |
| Federal Reserve Club Mag. | Federal Reserve Club Magazine |
| Fieldbook of Natural History | Palmer, E. L., Fieldbook of Natural History, McGraw-Hill Book Co., 1949 |
| G. S. A. Mem. | Geological Society of America Memoir |
| G. S. A. Spec. Paper | Geological Society of America Special Paper |
| Johns Hopkins Univ. Studies in Geol. | Johns Hopkins University Studies in Geology |
| Jour. de Conchyl. | Journal de Conchyliologie |
| Jour. Pal. | Journal of Paleontology |
| Kansas Univ. Pal. Contr. | Kansas University Paleontological Contributions |
| K. Nederl. Akad. Wetensch. Proc. | Koninklijke Nederlandsche Akademie van Wetenschappen Proceedings |
| La. Geol. Surv. Rpt. 1899 | Louisiana Geological Survey Report, 1899 |
| Perry and Schwengel, 1955 | Perry, L. M., and Schwengel, J. S., Marine Shells of the Western Coast of Florida, Paleontological Research Institution, 1955 |
| Mem. Soc. Cubana Hist. Nat. | Memorias de la Sociedad Cubana de Historia Natural |
| Micropal. | Micropaleontologist |
| Min. Conch. Club. So. Calif. | Minutes Conchological Club of Southern California |
| Nature Magazine | Nature Magazine |
| Nautilus | Nautilus |
| Nebr. Geol. Surv. Bull. | Nebraska Geological Survey Bulletin |
| N. Mex. Bur. Mines Mem. | New Mexico Bureau Mines Memoir |
| N. Y. Acad. Sci. Ann. | New York Academy of Science Annals |
| N. Y. S. Mus. Bull. | New York State Museum Bulletin.
(See U.S.N.Y. Bull.) |
| P. A. | Palaeontographica Americana |
| Pal. Soc. India | Palaeontological Society of India, Lucknow |

Proc. Calif. Acad. Sci.	Proceedings California Academy of Sciences
Rept. McLean Foram. Lab.	Report from the McLean Foraminiferal Laboratory
Revista Soc. Mal.	Revista Sociedad Malacological "Carlos de la Torre"
Roy. Micr. Soc. London Jour.	Royal Microscopical Society of London Journal
San Diego Soc. Nat. History	Transactions of the San Diego Society of Natural History
Schweizer. Palaeont. Gesell., Abh.	Schweizerischen Palaeontologische Gesellschaft Abhandlungen
Stanford Univ. Publ. Univ. Ser. Geol. Sci.	Stanford University Publication University Series Geological Science
Science	Science
U. S. Geol. Surv. Bull.	United States Geological Survey Bulletin
U. S. Nat. Mus. Bull.	United States National Museum Bulletin
U. S. Nat. Mus. Proc.	United States National Museum Proceedings
Univ. Calif. Publ. Bull. Dept. Geol. Sci.	University of California Publication Bulletin Department of Geological Science
U. S. N. Y. Bull.	University of the State of New York Bulletin. (See N.Y.S. Mus. Bull.)
Univ. Tex. Bull.	University of Texas Bulletin
Univ. Tex. Publ.	University of Texas Publication

The following list consists of references consulted for further information concerning scientific names, localities, and horizons.

ADDITIONAL REFERENCES

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- Vokes, H. E., 1945, American Museum of Natural History Bulletin, v. 86, Art. 1
- Withers, T. H., 1953, Bulletin British Museum (Natural History), Catalogue of Fossil Cirripedia, v. III
- Woodring, W. P., 1957, United States Geological Survey, Professional Paper 306-A
- Woodring, W. P., 1957, Personal communication (K. V. W. Palmer)

The designation of the kind of type has been retained as the author published it except in the following cases: (1) When only a single specimen labeled "type" is indicated or found the specimen becomes the holotype by monotypy. (2) When a holotype or lectotype has been segregated all remaining specimens in the original study material designated by the author as the same species are paratypes. (3) The term syntype has been used to replace the obsolete "co-types". (4) Hypotypes include all material previously described with the reference given herein adding information not previously published. Therefore, hypotypes comprise plesiotypes, homeotypes, heautotypes, and topotypes if not from the original study collection. (5) Topotypes labeled as such by authors have been converted to paratypes if they are part of the original collection.

Lectotypes have been selected from original material accompanied by a clarifying explanation. In some cases more than one specimen has been segregated by the author as type material with one specimen figured but not designated as holotype. Whenever more than one of these original specimens are available in the type collection the figured one is herein designated as lectotype. Where only the figured specimen is available that has been retained as holotype by monotypy. When two or more specimens have been labelled as co-types but a single one selected for illustration the

figured specimen has been herein designated as lectotype. All remaining specimens become paratypes.

When holotypic material has been lost, in some cases a subsequent author has selected a single specimen as a neotype with any remaining study material becoming neoparatypes.

A plastoholotype is a cast of the holotype and a plastotype a cast of any other type.

When a specimen has not been given a specific determination it is listed as a figured specimen if it is illustrated or an unfigured specimen if it is not.

"Representative specimen" indicates shells selected for the type collection by Dr. Jeanne S. Schwengel to form a complete collection of the mollusks described in Perry and Schwengel, *Marine Shells of the Western Coast of Florida*. These are not the specimens originally figured. The plate and figure are cited only for reference.

When a species is used as the basis for a new genus or subgenus it is listed as a type species accompanied by the name of author and date of publication.

The original spelling of scientific names has been retained as published except in the following cases: (1) Typographical errors have been corrected. (2) Specific names have been reduced to small letters. (3) In accordance with the Articles of the International Commission on Zoological Nomenclature specific names that include a person's initials have been combined to form a single word and (4) hyphenated words have been converted into a single word except when there would be two consecutive "i"s. (5) The endings of descriptive specific names have been changed when necessary to agree in gender with their generic names. These changes have in the most cases not been indicated. It should be noted that *rhynchus* has been declared to be of masculine gender by the International Commission on Zoological Nomenclature Declaration 39, 1958, and Direction 100, 1958.

When a species has been named for a locality whose spelling has been changed due to modernization or incorrect knowledge, the original spelling of the specific name has been retained.

Attention is called to frequently misspelled generic words by including a cross reference to the correctly spelled name.

Explanations of spelling changes indicated by an asterisk are listed in the table of abbreviations and corrections that follows.

ABBREVIATIONS AND CORRECTIONS

* Words marked with an asterisk indicate changes which are explained in the following list.

† Words marked with a dagger indicate previously hyphenated words now converted to a single word.

For the sake of brevity South America has been omitted from the countries of that continent.

Ala.	Alabama
Almirante*	not Almirante (Almirante=Spanish admiral)
app.	appendix
approx.	approximately
Ark.	Arkansas
Art.	Article
Ave.	Avenue
Búcaro*	not Bucaru,
Bull.	Bulletin
Calif.	California
Capt.	Captain
Cantaure*	not Cantaura, A. N. Dusenbury Jr., pers. commun., July 3, 1959
Cauderalito*	not Cauredalito. "The correct spelling used by Creole in its more recent reports is 'Cauderalito'. The derivation is from 'caudero', the local name for a species of mimosa; 'cauderal', a grove of mimosa; 'cauderalito', a small grove of mimosa." A. N. Dusenbury Jr., pers. commun., July 3, 1959
cgl.	conglomerate
Churugarito*	not Churugarita, A. N. Dusenbury Jr., pers. commun., July 3, 1959
cl.	clay
Co.	County
Colo.	Colorado
Cocodite*	not Cocodito, A. N. Dusenbury Jr., pers. commun., July 3, 1959
Cocuiza*	not Coquiza, A. N. Dusenbury Jr., pers. commun., July 3, 1959
Col.	Colombia, South America
Coll.	Collector
C. R.	Costa Rica, Central America
Cr.	Creek
C. Z.	Canal Zone (Panamá)
"Damsite fm."*	now equals Caujarao fm. Because Damsite is not a geographical name, it has been replaced by Caujarao since 1937. A. N. Dusenbury Jr., pers. commun., July 3, 1959
Dept.	Department
Dist.	District
dol.	dolomite
Dom. Rep.	Dominican Republic (formerly Santo Domingo)
Dto. Fed.	Federal District (Distrito Federal)
D. W. I.	Dutch West Indies
E.	east
Ecua.	Ecuador, South America
ENE.	east northeast
ESE.	east southeast
expl.	explanation
fig.	figure
Fla.	Florida
fm.	formation; fathoms

ft.	foot, feet
Ft.	Fort
F. W. I.	French West Indies
Ga.	Georgia
gr.	group
Guabito*	not Guabilo, Hammond's Complete World Atlas, 1951
Guatatal*	not Quatatal, A. N. Dusenbury Jr., pers. commun., April 13, 1955
Homeotype*	This refers to Martin's use of homeotype in 1943 which is not definition of homeotype.
I.	Island
Ida.	Idaho
Ill.	Illinois
Ind.	Indiana
Jones' Crossing	Plummer locality 348 is not N. of bridge at Jones' Crossing as in Marks, Micropal., v. 6, No. 4, 1952, p. 41, verified by Plummer station book as E.
junc.	junction
km.	kilometer, kilometers
La.	Louisiana
Lagunitos*	not Lagunitas,
lat	latitude
Ldg.	Landing
Lectotype*	Specimen figured herein designated as lectotype from specimens originally labelled as co-types by Maury.
Lectotype**	When more than one specimen was used as type material and no holotype was selected the specimens designated by a later author becomes a lectotype.
lg.	league (Sp.=legua)
loc.	locality
Loma Calisto*	Loma Calixto is the old spelling, N. E. Weisbord, pers. commun., June 24, 1958
long	longitude
ls.	limestone
m.	meter, meters
Mayaro Bay*	not Megaro Bay, H. Kugler, pers. commun., April 21, 1958
Md.	Maryland
mi.	mile, miles
Miss.	Mississippi
ml.	marl
Mt.	Mount, Mountain
Muertecitas*	not Muerticitas, A. N. Dusenbury Jr., pers. commun., July 3, 1959
Mus.	Museum
N.	north
N. C.	North Carolina
NE.	northeast
Negritos fm.*	not lower Eocene, now Paleocene, A. A. Olsson, pers. commun., 1959
N. J.	New Jersey
N. Mex.	New Mexico
n. n.	new name
NNE.	north northeast
NNW.	north northwest
No.	Number
NW.	northwest
N. Y.	New York
opp.	opposite
Ore.	Oregon
p.	page

Pa.	Pennsylvania
Pal. Res. Inst.	Paleontological Research Institution
Pale Greda fm.*	not middle Eocene, now lower Eocene, A. A. Olsson, pers. commun., 1959
Pan.	Panamá, Central America
Par.	Parish
Pen.	Peninsula
Pers. commun.	Personal communication
pl.	plate
P. O.	Post Office
Port. E. Africa	Portugese East Africa
Prov.	Province
Pt.	Point; Part
Pto.	Puerto
Quad.	Quadrangle
Quiroz*	not Quirós, A. N. Dusenbury Jr., pers. commun., July 3, 1959
R.	River; Range
Rd.	Road
Rep.	Republic
"Río Sabaneta"*	should be Río Mitare, A. N. Dusenbury Jr., pers. commun., July 3, 1959
R. R.	railroad
S.	south
Salina fm.*	not middle Eocene, now lower Eocene, A. A. Olsson, pers. commun., 1959
S. C.	South Carolina
sd.	sand
SE.	southeast
Sec.	Section
sh.	shale
Springvale*	locality as given by H. Kugler, pers. common., 1958
ss.	sandstone
St.	State; Street; or Saint
SW.	southwest
T.	Township in section localities
Tenn.	Tennessee
Tex.	Texas
Tumbes*	not Tumbez, Hammond's Complete World Atlas, 1951
Tuxpan R.*	not Tuxpam R., Hammond's Complete World Atlas, 1951
twp.	township
typ. error	typographical error
v.	volume
Va.	Virginia
"var."	variation
Ven.	Venezuela, South America
W.	west
Wash.	Washington
Wyo.	Wyoming

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CATALOGUE

- 3385 *Abderospira aldrichi* (Langdon) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 485, pl. 75, figs. 10, 11
Indian Mound, 3 mi. E. of Newton, on the A. and V. R. R.,
Newton Co., Miss. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
- 20021 *Abderospira leblanci* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 457,
pl. 64, fig. 8
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 20022 *Abderospira leblanci* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 457,
pl. 64, fig. 9
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 20024 *Abderospira oviformis* (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 457,
pl. 64, figs. 21, 22
Moody's Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3384 *Abderospira stewarti* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 488, pl. 75, figs. 7, 8
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24686 *Abra aequalis* (Say) Representative specimen
Perry and Schwengel, 1955, p. 85, pl. 17, fig. 106
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24878 *Abra lioica* (Dall) Hypotype
Perry and Schwengel, 1955, p. 85, pl. 44, fig. 308
Four-six fm. off Sanibel, Lee Co., Fla. Recent

- 1239 *Abra nitens* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 173, pl. 52, figs. 11, 11a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gos-
port sd., uppermost Claiborne gr., middle Eocene
- 1240 *Abra nitens* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 173, pl. 52, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gos-
port sd., uppermost Claiborne gr., middle Eocene
- 1241 *Abra nitens* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 173, pl. 52, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gos-
port sd., uppermost Claiborne gr., middle Eocene
- 4380 *Abra nitens jacksonica* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 105,
pl. 22, figs. 22, 23
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4381 *Abra nitens jacksonica* Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 105,
pl. 22, fig. 24
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 21295 *Abra triangulata* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 259, pl. 29, fig. 10
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2107 *Acanthina* (Chorus) *meroensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 106, pl. 18, fig. 4
Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
shales, Heath fm., upper Oligocene
- 2108 *Acanthina* (Chorus) *meroensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 106, pl. 18, fig. 5
Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
shales, Heath fm., upper Oligocene
- 2110 *Acanthina* (Chorus) *meroensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 106, pl. 18, fig. 7
Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
shales, Heath fm., upper Oligocene
- 2104 *Acanthina* (Chorus) *sula* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 107, pl. 18, fig. 1
Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
shales, Heath fm., upper Oligocene
- 2105 *Acanthina* (Chorus) *sula* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 107, pl. 18, fig. 2
Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
shales, Heath fm., upper Oligocene
- 2307 *Acanthina* (Chorus) *sula cruziana* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 185, pl. 20, fig. 7

- Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
 = *Acanthiza* Olsson, 1932 following Gray, 1847, error for *Acanthina* Fischer de Waldheim, 1807
- 2298 *Acanthina* (*Chorus*) *voluta* Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 184, pl. 19, fig. 3
 Upper Quebrada Zapotal?, Dept. of Tumbes, Peru basal
 Heath shales, upper Oligocene?
 = *Acanthina* Fischer de Waldheim [*Acanthiza* sic]
- 2301 *Acanthina* (*Chorus*) *voluta* Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 184, pl. 19, fig. 6
 Quebrada Zapotal?, Dept. of Tumbes, Peru basal Heath
 shales, upper Oligocene?
 = *Acanthina* Fischer de Waldheim [*Acanthiza* sic]
- 2302 *Acanthina* (*Chorus*) *voluta* Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 184, pl. 19, fig. 7
 Quebrada Zapotal?, Dept. of Tumbes, Peru basal Heath
 shales, upper Oligocene?
 = *Acanthina* Fischer de Waldheim [*Acanthiza* sic]
- 20196 *Acanthocardia* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Ambrosio No. 20, depth 2112-2113 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 20170 *Acanthoplites* sp. See *Paraphoplites*, sp.
- 4077 *Acila isthmica burica* Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 25, pl. 1, figs. 6, 8
 Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
 fm., Pliocene
- 4078 *Acila isthmica burica* Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 25, pl. 1, figs. 2, 9
 Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
 fm., Pliocene
- 1947 *Acila paita* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 34, pl. 2, fig. 11
 Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
 Heath fm., upper Oligocene
- 1949 *Acila paita* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 34, pl. 2, fig. 13
 Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
 Heath fm., upper Oligocene
- 1945 *Acila piura* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 35, pl. 2, fig. 9
 Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
 Heath fm., upper Oligocene
- 1946 *Acila piura* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 35, pl. 2, fig. 10

Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
Heath fm., upper Oligocene

- 1950 ***Acila piura*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 35, pl. 2, fig. 14
Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
Heath fm., upper Oligocene
- 351 ***Acirsa (Acirsella) elegans*** (H. C. Lea) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 30, pl. 7, fig. 4
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
See *Bittium (Stylidium) elegans* (H. C. Lea)
- 350 ***Acirsa (Acirsella) henrylei*** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 3
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
See *Bittium (Stylidium) henrylei* (Palmer)
- 354 ***Acirsa (Acirsella) henrylei*** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 9
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
See *Bittium (Stylidium) henrylei* (Palmer)
- 355 ***Acirsa (Acirsella) henrylei*** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 10
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
See *Bittium (Stylidium) henrylei* (Palmer)
- 2752 ***Acirsa (Hemiacirsa) whitneyi*** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 110, pl. 10, figs. 6, 7
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 5811 ***Acleistoceras jonesi*** Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 21, pl. 3, figs. 8, 9
Stockbridge, Madison Co., N. Y. Hamilton gr., Middle Devonian
- 5813 ***Acleistoceras wellsi*** Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 22, pl. 4, figs. 22-24
Tinker's Falls, Onondaga Co., N. Y. Tully ls., upper Middle Devonian
- 20223 ***Aclis* sp.** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Tia Juana No. 147, depth 3331-3341 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 24308 ***Acmaea lepisma*** Berry Paratype
Berry, B.A.P., v. 25, No. 94A, 1940, p. 9
"Hilltop Quarry", San Pedro, Los Angeles Co., Calif.
lower Pleistocene

- 4506 *Acrilla unilineata* (Hellprin) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 244,
pl. 28, fig. 5
Exact locality unknown Jackson gr., upper Eocene
- 2753 *Acrilloscala* sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 105, pl. 10, fig. 8
H. W. Berryman Place, 2½ mi. from Linwood, 11 mi. from
Rusk, Angelina Co., Tex. Weches fm., middle Claiborne
gr., middle Eocene
- 5409 *Acrospirifer olssoni* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 156, pl. 12, figs. 10, 11
Floresta, lat 5° 51' N.; long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5410 *Acrospirifer olssoni* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 156, pl. 10, fig. 18; pl. 12,
figs. 12, 13 (external dorsal mold) (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5447 *Acrospirifer olssoni* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 156, pl. 7, figs. 28, 29
Floresta, lat 5° 51' N.; long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5465B *Acrospirifer olssoni* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 156, pl. 9, fig. 24; pl. 10,
fig. 15
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5397D *Acrospirifer olssoni* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 156, pl. 11, figs. 10-12
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 83 *Actaeon (Tornatellaea) bella* Conrad Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 74, pl. 7, fig. 3
One-half mi. N. of Ripley, Tippah Co., Miss. Midway
gr., Paleocene
- "*Actaeon*" *cossmanni* Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 6, pl. 1, fig. 4 (lost prior
to 1937)
Locality unknown Wilcox gr., lower Eocene
- 21125 *Actaeon costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 34a, pl. 15, fig. 15
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 3425 *Actaeon hamadryados* Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 4, pl. 1, fig. 2
 Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
 Bluff gr., upper lower Miocene
- 3425a *Actaeon hamadryados* Maury Paratype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 4
 Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
 Bluff gr., upper lower Miocene
- 24851 *Actaeon punctostriatus* (C. B. Adams) Representative specimen
 Perry and Schwengel, 1955, p. 191, pl. 39, fig. 277
 Sanibel, Lee Co., Fla. Recent
- 4014 *Actaeon (Microglyphis) schencki* Berry Paratype
 Berry, B.A.P., v. 27, No. 101, 1941, p. 3
 "Hilltop Quarry", San Pedro, Los Angeles Co., Calif.
 Lomita fm., lower Pleistocene
- 3757 *Actaeonella (Volvulina) peruviana* Olsson Holotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 71, pl. 9, fig. 7
 Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
 Peru Pananga fm., Aptian—upper Albian
- 21130 *Acteocina bullata costaricana* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 34a, pl. 15, figs. 20, 21
 Middle Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 24852 *Acteocina canaliculata* (Say) Representative specimen
 Perry and Schwengel, 1955, p. 191, pl. 39, fig. 278
 Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 20224 *Acteocina* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Ambrosio No. 67, depth 1055-1056 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 3386 *Acteon annectens* Meyer Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 498, pl. 74, fig. 30
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
 Jackson gr., upper Eocene
- 20014 *Acteon annectens* Meyer Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 454, pl.
 63, figs. 26, 27
 Moody's Branch, Jackson, Hinds Co., Miss. Moody's
 Branch fm., lower Jackson gr., upper Eocene
- 3369 *Acteon idoneus* Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 500, pl. 74, fig. 19
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3370 *Acteon idoneus* Conrad Hypotype
 Palmer, B. A. P., v. 7, No. 32, 1937, p. 500, pl. 74, fig. 21

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3371 *Acteon idoneus* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 500, pl. 74, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3372 *Acteon idoneus* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 500, pl. 74, fig. 20
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 20013 *Acteon idoneus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 453,
pl. 63, figs. 14, 15
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 3380 *Acteon pomilius* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 496, pl. 74, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3381 *Acteon pomilius* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 496, pl. 74, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3382 *Acteon pomilius* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937 p. 496, pl. 74, fig. 34
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3375 *Acteon pomilius punctatus* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 499, pl. 74, fig. 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3376 *Acteon pomilius punctatus* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 499, pl. 74, fig. 31
Moseley's Ferry (Stone City Bluff), Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3377 *Acteon pomilius punctatus* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 499, pl. 74, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3378 *Acteon pomilius punctatus* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 499, pl. 74, fig. 35
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3379 *Acteon pomilius punctatus* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 499, pl. 74, fig. 36
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 25013 *Actinoceras tenuifilum* (Hall) Hypotype
Flower, Jour. Pal., v. 14, No. 5, 1940, p. 436, pl. 61, figs. 1, 2,
text fig. 1, (not 5868 as published)
Black R., 2 mi. W. of Watertown, Jefferson Co., N. Y.
Black R. ls., Middle Ordovician
- 22554 *Actinoocythereis exanthemata* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 82, pl. 10, figs. la-c
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22555 *Actinoocythereis exanthemata* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 82
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22556 *Actinoocythereis exanthemata* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 82
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22557 *Actinoocythereis exanthemata* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 82
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22558 *Actinoocythereis exanthemata* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 82
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22559 *Actinoocythereis exanthemata gomillionensis* (Howe and Ellis) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 83, pl. 10, figs. 2a-d
Carter's Grove base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22560 *Actinoocythereis exanthemata gomillionensis* (Howe and Ellis) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22561 *Actinoocythereis exanthemata gomillionensis* (Howe and Ellis) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22562 *Actinoocythereis exanthemata gomillionensis* (Howe and Ellis) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22563 *Actinoocythereis exanthemata gomillionensis* (Howe and Ellis) Hypotypes
McLean, B.A.P. v. 38, No. 167, 1957, p. 83

Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene

- 22564 *Actinocythereis exanthemata gomillionensis* (Howe and Ellis)
Hypotypes

McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene

- 22565 *Actinocythereis exanthemata gomillionensis* (Howe and Ellis)
Hypotypes

McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22566 *Actinocythereis exanthemata gomillionensis* (Howe and Ellis)
Hypotypes

McLean, B.A.P., v. 38, No. 167, 1957, p. 83
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene

- Actinopteria alpha* Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 64, pl. 25, fig. 6 (lost
prior to 1937)
Ten ft. above Roosevelt Highway on N. outskirts of Smethport,
McKean Co., Pa. Chadakoin, Cassadaga stage, Chautau-
quan series, Upper Devonian

- 5244 *Actinopteria alpha* Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 64, pl. 25, fig. 5
Ten ft. above Roosevelt Highway, N. outskirts of Smethport,
McKean Co., Pa. Chadakoin, Cassadaga stage, Chautau-
quan series, Upper Devonian

- 5245 *Actinopteria alpha* Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 64, pl. 25, fig. 7
Ten ft. above Roosevelt Highway, N. outskirts of Smethport,
McKean Co., Pa. Chadakoin, Cassadaga stage, Chautau-
quan series, Upper Devonian

- 5246 *Actinopteria beta* Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 65, pl. 25, fig. 8
N. outskirts of Smethport, 10 ft. above Roosevelt Highway,
McKean Co., Pa. Chadakoin, Cassadaga stage, Chautau-
quan series, Upper Devonian

- 5243 *Actinopteria* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 65, pl. 25, fig. 4
Stone ledge near Checkered School House, Panama, Chautauqua
Co., N. Y. Panama cgl., Conewango stage, Upper
Devonian

- 6022 *Actinopteria subulrichi* Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 72, pl. 8, fig. 2
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulía, Ven. Caño Grande fm., Lower-Middle
Devonian

- 22600 *Acuticythereis laevisissima* Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 90, pl. 12, figs. 4d-g
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22601 *Acuticythereis laevisissima* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 90, pl. 12, figs. 4a, b
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22602 *Acuticythereis laevisissima* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 90, pl. 12, fig. 4c
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22603 *Acuticythereis laevisissima* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 90
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22604 *Acuticythereis laevisissima* Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 90
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 20364 *Adamsiella (Cubadamsiella) gratiosa* Torre and Bartsch
"Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 241 (6 specimens)
Charco Majá, Zulueta, Santa Clara Prov., Cuba Coll. P. J.
Bermudez Recent
- 24751 *Adeorbis beaulti* P. Fischer Representative specimen
Perry and Schwengel, 1955, p. 133, pl. 25, figs. 178a, b
Ft. Myers Beach, Lee Co., Fla. Recent
- 4125 *Adeorbis dalli* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 95, pl. 12, figs. 5, 5a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1399 *Adeorbis novicastrit* Van Winkle Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 9, pl. 1,
figs. 11, 12
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U. S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
See *Lydiphnis novicastrit* (Van Winkle)
- 1379 *Adeorbis sylvaerupis* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 94, pl. 12, figs. 3, 3a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1400 ?*Adeorbis virginienensis* Van Winkle Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 9, pl. 1,
fig. 13
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U. S. 360, Hanover Co., Va. Nanjemoy fm., lower Eocene
See "*Vitrinella*" *virginienensis* (Van Winkle)

- 20514 **Adhaerentia midwayensis** Plummer Holotype
 Plummer, Amer. Midl. Nat., v. 19, No. 1, 1938, p. 242, text fig. 1a; Marks, Micropal., v. 6, No. 4, 1952, p. 33
 Stream bed of a branch of Dixon Cr., at State Highway 96 to Kimbrough, 1 mi. S. of junc. with Highway 28, in Sec. 1, T. 13 N., R. 6 E., Wilcox Co., Ala. Clayton fm., lower Midway gr., Paleocene
 Type species of *Adhaerentia* Plummer, 1938
- 20515- **Adhaerentia midwayensis** Plummer Paratypes
 20520 Plummer, Amer. Midl. Nat., v. 19, No. 1, 1938, p. 242, text figs. 1b-e; Marks, Micropal., v. 6, No. 4, 1952, p. 33
 Stream bed of a branch of Dixon Cr., at State Highway 96 to Kimbrough, 1 mi. S. of junc. with Highway 28, in Sec. 1, T. 13 N., R. 6 E., Wilcox Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 3889 **Admete luffa** Olsson Holotype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 27, pl. 8, fig. 3
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 3890 **Admete luffa** Olsson Paratype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 27, pl. 8, fig. 4
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 24270 **Admete paytensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 29, pl. 11, fig. 5
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 5850 **Adnatoceras cryptum** Flower Holotype
 Flower, P.A., v. 2, No. 10, 1939, p. 125, pl. 8, fig. 4
 Borodino, Onondaga Co., N. Y. West Brook mem., Tully ls., upper Middle Devonian
- 5840 **Adnatoceras spissum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 122, pl. 1, fig. 8
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., Middle Devonian
- 5840a **Adnatoceras spissum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 122, pl. 7, fig. 10
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., Middle Devonian
- 5841 **Adnatoceras spissum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 122
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., Middle Devonian
- 5842 **Adnatoceras spissum** (Hall) Hypotype
 Flower, P.A., v. 2, No. 10, 1939, p. 122 (early stage)
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., Middle Devonian
- 5849 **Adnatoceras wellsi** Flower Holotype
 Flower, P. A., v. 2, No. 10, 1939, p. 123, pl. 4, figs. 1-4

- Borodino, Onondaga Co., N. Y. West Brook mem.,
Tully ls., upper Middle Devonian
- 20506 *Adontorhina cyclica* Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 6, (2 specimens)
"Hilltop Quarry", San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 612 *Adrana aldrichiana* (Harris) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 71, pl. 25, fig. 20
Roberta, Bossier Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3402 *Advena floweri* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 512, pl. 76, figs. 10-12, 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
Type species of *Advena* Palmer, 1937 = *Anevda* Palmer, 1940
= *Belemnosella* Neaf, 1922
- 24607 *Aequipecten gibbus* (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 48, pl. 6, fig. 28
Four-six fm., off Sanibel, Lee Co., Fla. Recent
- 24608 *Aequipecten gibbus irradians* (Lamarck) Representative specimen
Perry and Schwengel, 1955 p. 49, pl. 6, fig. 29
Tarpon Bay, Lee Co., Fla. Recent
- 24606 *Aequipecten muscosus* (Wood) Representative specimen
Perry and Schwengel, 1955, p. 48, pl. 5, fig. 27
Four-six fm., off Sanibel, Lee Co., Fla. Recent
- 289 *Aesopus erectus* (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 59, pl. 7, fig. 12
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3288 *Agaronia alabamensis* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, figs. 14, 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3289 *Agaronia alabamensis* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3290 *Agaronia alabamensis* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3291 *Agaronia alabamensis* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, figs. 19, 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 3292 **Agaronia alabamensis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3293 **Agaronia alabamensis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 431, pl. 68, fig. 22
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. (upper Lisbon fm.), upper Claiborne gr., middle
Eocene
- 3286 **Agaronia bombylis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 434, pl. 68, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3287 **Agaronia bombylis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 434, pl. 68, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20009 **Agaronia media** (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 407,
pl. 63, fig. 9
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 20010 **Agaronia mississippiensis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 410, pl.
63, fig. 17
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 20011 **Agaronia mississippiensis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 410,
pl. 63, fig. 18
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 20012 **Agaronia mississippiensis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 410,
pl. 63, fig. 19
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 20008 **Agaronia** sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 410,
pl. 63, figs. 5, 6
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 3840 **Agassizia camagueyana** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 83, pl. 9, figs. 5, 6
Between Jatibonico and Ciego de Avila, from rd. cut on Central
Highway of Cuba, 150 m. E. of km. post 449, Camaguey Prov.,
Cuba Oligocene
- 3834 **Agassizia caribbeana** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 74, pl. 8, figs. 1-3

In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Eocene

- 3835 *Agassizia caribbeana* Weisbord Paratype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 74, pl. 8, figs. 4-6
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Ca-
magüey Prov., Cuba upper Eocene
- 5876 *Agoniatites floweri* Miller Holotype
Miller, G. S. A., Spec. Paper No. 14, 1938, p. 45, pl. 11, figs. 1, 2
Stockbridge Falls, Oneida Cr., Madison Co., N. Y.
Cherry Valley ls., Marcellus fm., lower Erian series, Middle
Devonian
- 5369 *Agoniatites intermedius* Flower Holotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 76, pl. 1, fig. 11
(not 5370 as in expl. of pl.)
Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5370 *Agoniatites ?vanuxemi* (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 77, pl. 1, fig. 10 (anapty-
chus) (not 5369 as in expl. of pl.)
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5877 *Agoniatites vanuxemi* (Hall) Hypotype
Miller, G. S. A., Spec. Paper No. 14, 1938, p. 54, text fig. 6
Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
Marcellus fm., Lower Erian series, Middle Devonian
- Alaba turrita* Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 153, pl. 15, fig. 23 (lost
prior to 1937)
Estrella R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 1062 *Alectrion brassica* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 210, pl. 36, fig. 12
Brasso junc. quarry, ½ mi. N. of Brasso Station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- 21038 *Alectrion losquemadica* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 123, pl. 9, fig. 21
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21036 *Alectrion merenda* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 124, pl. 9, fig. 19
Old Man Sam Creek, Limon Prov., C. R. Uscari fm.,
lower Miocene
- 21037 *Alectrion ranuncula* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 123, pl. 9, figs. 20, 22
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 3674 *Alectrion salina* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1958, p. 82, pl. 18, fig. 13
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 20225 *Alectrion* sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Rodriguez No. 718, depth 2516-2537 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20226 *Alectrion* sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 203, depth 3401-3410 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20227 *Alectrion* sp. 3 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Rodriguez No. 464, depth 1058-1078 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 3675 *Alectrion terebratula* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 83, pl. 18, fig. 14 (lost
prior to 1937)
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3676 *Alectrion terebratula* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 83, pl. 18, fig. 15
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 5810 *Aletoceras gracile* Flower Holotype
Flower, P.A., v. 2, No. 9, 1938, p. 36, pl. 3, figs. 10, 11; pl. 4,
fig. 1
Kingsley quarry, Kingsley hill, .75 mi. N. of R.R. underpass,
Cortland Co., N. Y. Tully ls., upper Middle Devonian
Type species of *Aletoceras* Flower, 1938
- 1371 *Aligena pustulosa choptankensis* Olsson
1371a Lectotype** and unfigured paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 25, pl. 3, fig. 1
Jones Wharf, St. Mary Co., Md. Choptank fm., lower
middle Miocene
- 25228 *Allomorphina halli* Jennings, n.n. Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 34 (for *A. trigona*
Plummer)
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 4067 *Alvania bartschi* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 78, pl. 11, fig. 10
Punta de Piedra, 4 mi. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Armuelles fm., Pleistocene
- Alveinus girondicus* "Ben." Hypotype
Harris, P. A., v. 1, No. 2, 1920, see Appendix III

- Alveinus minutus** Conrad Hypotype
Harris, P. A., v. 1, No. 2, 1920, Harris and Palmer, 1946, see Appendix III
- 122 **Amaura (Amauropsis?) tombigbeensis** Harris Holotype
Harris, B.A.P. v. 1, No. 4, 1896, p. 120, pl. 12, fig. 22
Four mi. below Black Bluff, Tombigbee R., Sumter Co., Ala.
middle Midway gr., Paleocene
- 2357 **Amauropsis perovata** (Conrad) Hypotype
Harris, B.A.P., v. 1, No. 1, 1895, p. 49, pl. 1, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Crommium perovatum* (Conrad)
- 5166 **Ambocoelia gregaria** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 38, pl. 10, fig. 11
One mi. E. of Stoneham, Warren Co., Pa. upper Knapp
ss. (Cuyahoga), Lower Mississippian
- 5167 **Ambocoelia gregaria** Hall Hypotype
Caster, B. A. P., v. 15, No. 58, 1930, p. 38, pl. 10, fig. 12
One mi. E. of Stoneham, Warren Co., Pa. upper Knapp
ss. (Cuyahoga), Lower Mississippian
- 20521 **Ammobaculites expansus** Plummer Holotype
Plummer, Univ. Tex. Bull. 3201, 1933, p. 65, pl. 5, figs. 4, 5;
Marks Micropal., v. 6, No. 4, 1952, p. 33
Left bank of Solomon's Cr., 1 mi. SW. of Lawrence Solomon's
house on Elgin-Bastrop rd., Bastrop Co., Tex. Willis
Pt. fm., Midway gr., Paleocene
- 20522 **Ammobaculites expansus** Plummer Paratype
Plummer, Univ. Tex. Bull. 3201, 1933, p. 65, pl. 5, fig. 6; Marks,
Micropal., v. 6, No. 4, 1952, p. 33
Left bank of Solomon's Cr., 1 mi. SW. of Lawrence Solomon's
house on Elgin-Bastrop rd., Bastrop Co., Tex. Willis
Pt. fm., Midway gr., Paleocene
- 20523 **Ammobaculites midwayensis** Plummer Holotype
Plummer, Univ. Tex. Bull. 3201, 1933, p. 63, pl. 5, figs. 7, 8;
Marks, Micropal., v. 6, No. 4, 1952, p. 33
Left bank of Solomon's Cr., 1 mi. SW. of Lawrence Solomon's
house on Elgin-Bastrop rd., Bastrop Co., Tex. Willis
Pt. fm., Midway gr., Paleocene
- 20524- **Ammobaculites midwayensis** Plummer Paratypes
20526 Plummer, Univ. Tex. Bull. 3201, 1933, p. 63, pl. 5, figs. 9-11;
Marks, Micropal., v. 6, No. 4, 1952, p. 33
Left bank of Solomon's Cr., 1 mi. SW. of Lawrence Solomon's
house on Elgin-Bastrop rd., Bastrop Co., Tex. Willis
Pt. fm., Midway gr., Paleocene
- 20527 **Ammobaculoides navarroensis** Plummer Holotype
Plummer, Amer. Midl. Nat., v. 13, No. 2, 1932, p. 87, text fig.
1a; Marks, Micropal., v. 6, No. 4, 1952, p. 33
Old ferry crossing on left bank Colorado R., Webberville, Travis
Co., Tex. Kemp cl., Navarro gr., Maestrichtian, Upper
Cretaceous
Type species of *Ammobaculoides* Plummer, 1932

- 20528- **Ammobaculoides phaulus** Loeblich and Tappan Paratypes
 20531 Loeblich and Tappan, Kansas Univ. Pal. Contr., No. 6 (Protozoa, art. 3), 1950, p. 18, pl. 1, figs. 18-20; Marks, Micropal., v. 6, No. 4, 1952, p. 33
 South Bluff, Medicine Lodge R., E. $\frac{1}{2}$ Sec. 16, T. 30 S., R. 17 W. Kiowa Co., Kansas Kiowa sh., Fredericksburg gr., Albion, Lower Cretaceous
- 20532- **Ammobaculoides plummerae** Loeblich Paratypes
 20548 Loeblich, Jour. Pal., v. 20, No. 2, 1946, p. 137, pl. 22, figs. 10-12; Marks, Micropal., v. 6, No. 4, 1952, p. 33
 Pepper Cr., just S. of Belton-Temple highway, 1.6 mi. E. of easternmost of 2 underpasses of highway under A. T. S. F. R. R., Bell Co., Tex. Pepper fm., Eagle Ford gr., Turonian, Upper Cretaceous
- 21667 **Ammodiscus incertus** (d'Orbigny) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 10, pl. 4, fig. 17
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21736 **Ammodiscus incertus** (d'Orbigny) Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 5
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- "**Ammonites leonhardianus**" Karst Hypotype
 Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 96, pl. 16, fig. 10 (lost prior to 1937)
 Stollmeyer Quarry, about 3 mi. NNE. of Point-a-Pierre, Point-a-Pierre Ward, NW. Victoria Co., Trinidad, W. I.
 Lower Cretaceous
- "**Ammonites leonhardianus**" Karst Hypotype
 Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 96, pl. 16, fig. 11 (lost prior to 1937)
 Stollmeyer Quarry, about 3 mi. NNE. of Point-a-Pierre, Point-a-Pierre Ward, NW. Victoria Co., Trinidad, W. I.
 Lower Cretaceous
- 3533 **Amotapus arbolensis** (Woods) Hypotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 22, pl. 4, fig. 1
 Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower upper Eocene
 Type species of *Amotapus* Olsson, 1928
- 3534 **Amotapus arbolensis** (Woods) Hypotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 22, pl. 4, fig. 2
 Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower upper Eocene
- 3537 **Amotapus arbolensis** (Woods) Hypotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 22, pl. 4, fig. 5
 Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru Parinas fm., middle Eocene
- 6007 **Amphigenia elongata weisbordi** Harris Syntype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 65, pl. 6, figs. 15, 16

Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian

- 21762 *Amphigenia elongata weisbordi* Harris Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 16, pl. 4, fig. 1;
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 65, pl. 6, figs. 12-14
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
See *Amphigenia* sp.
- 21762 ?*Amphigenia* sp. Figured specimen
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 16, pl. 4, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
See *Amphigenia elongata weisbordi* Harris
- 1924 *Amphiope neuparthi* Loriol Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 44,
pl. 10, figs. 1, 2
Bom Jesus, lat 9° S.; long 14° E., near Rio Cunga, Angola (loc.
S 9) Miocene
- 24226 *Amphiperas bullennewtoni*† Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 63, pl. 5, figs. 17, 18
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 20050 *Amphistegina angulata* (Cushman) Hypotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 63, pl. 2, figs. 2a-c
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 25456 *Amphistegina angulata* (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 199, pl. 15, figs. 14, 20, 21 [D.K.P. slide 191.9-18 (93)]
NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, B.A.P., v. 38, No. 171,
1958, p. 222]
- 20189 *Amphistegina chipolensis* Cushman and Ponton Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 3, depth 1748-1758 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 20048 *Amphistegina lessonii bowdenensis* D. K. Palmer Holotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 64, pl. 2, figs. 1a-c
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 21629 *Amphistegina mexicana* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 31, pl. 2, fig. 12

Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 22484 **Amphistegina** sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 360, pl. 49, figs. 15a-c
Chlamys jeffersonia bed at bottom of cliff, Carter's Grove, James City Co., Va. Yorktown fm., upper Miocene
- 1520 **Amphitriscocelus waringi** Harris and Hodson Syntypes
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 1; pl. 4, figs. 4, 5; Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 95, pl. 17, figs. 2, 3
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
Type species of *Amphitriscocelus* Harris and Hodson, 1922
- 1521 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 1
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1522 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 2
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1523 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 3
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1524 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 4
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1525 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 5
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1526 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 2, fig. 6
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1527 **Amphitriscocelus waringi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 3, fig. 1
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous

- 1528 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 3, fig. 2
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1529 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 3, fig. 4
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1530 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson F., P. A., v. 1, No. 3, 1922, p. 12, pl. 3, fig. 5
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1531 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 3, fig. 3
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1532 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, fig. 1
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1533 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, figs.
2, 3
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1534 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, figs.
6, 7
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1535 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, fig. 8
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1536 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, fig. 9
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just
S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co.,
Trinidad, W. I. Lower Cretaceous
- 1537 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, fig. 10

In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous

- 1538 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 4, fig. 11
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1539 *Amphitriscoelus waringi* Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 12, pl. 5, figs. 1, 2
In small stream bed $\frac{1}{4}$ mi. above where it crosses Plum Rd., just S. of $5\frac{1}{4}$ mi. post, central Turure Ward, SE. St. Andrew Co., Trinidad, W. I. Lower Cretaceous
- 20156 *Amphitriscoelus waringi* Harris and F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1643
W. of and slightly below the saddle between Cerro Caribo and Cerro Guano, approx. 435 m. SE. of Punta Arenas, N. side of Toas I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia, Ven. Apón fm., Middle Cretaceous (Albian)
- 2031 *Ampullina bravoensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 71, pl. 11, fig. 3
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits, Mancora fm., middle Oligocene
- 2035 *Ampullina bravoensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 71, pl. 11, fig. 7
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits, Mancora fm., middle Oligocene
- 4944 *Ampullina breccia* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 97, pl. 9, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4945 *Ampullina breccia* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 97, pl. 9, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4946 *Ampullina breccia* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 97, pl. 9, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4948 *Ampullina cumara* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 98, pl. 9, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 2805 *Ampullina recurva* (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 133, pl. 14, figs. 7, 8
Exact locality lost, La. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 2806 ***Ampullina recurva dumblei*** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 134, pl. 14, fig. 10
About 5 mi. NE. of Laredo, Webb Co., Tex. (locality questionable, Stenzel, personal commun., 1958)
Probably Eocene
- 2807 ***Ampullina recurva dumblei*** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 134, pl. 14, fig. 11
About 5 mi. NE. of Laredo, Webb Co., Tex. (locality questionable, Stenzel, personal commun., 1958)
Probably Eocene
- 22875 **?*Ampullina santiagana*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 72, pl. 38, fig. 8; pl. 39, fig. 2
Ls., ridge between Quebrada Santiago and Río Cauderalito,*
Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene
- 22878 **?*Ampullina santiagana*** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 72, pl. 39, fig. 1
Ls. ridge between Quebrada Santiago and Río Cauderalito*,
Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene
- 2030 ***Ampullina (Ampullinopsis) spenceri*** Cooke Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 72, pl. 11, fig. 2
Cerro Verde, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 2034 ***Ampullina (Ampullinopsis) spenceri*** Cooke Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 72, pl. 11, fig. 6
Cerro Verde, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 4947 ***Ampullina tortuga*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 98, pl. 9, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 21141 ***Amusium bocasensis*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 206, pl. 17, fig. 3
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21142 ***Amusium bocasensis*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 206, pl. 17, fig. 4
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21139 ***Amusium luna*** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 205, pl. 17, fig. 1
Chagres Spillway, Gatun, C. Z. Gatun fm., middle
Miocene
- 22912 ***Amusium luna*** Brown and Pilsbry Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 13, pl. 3, fig. 1
Near Usiacuri, Dept. of Atlantico, Col. middle Miocene

- 24455 *Amusium ocalanum* (Dall) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 10, pl. 5, fig. 3
Kinchafonee Cr., near Albany, Dougherty Co., Ga.
"Ocala ls.", Jackson gr., upper Eocene
- 24456 *Amusium ocalanum* (Dall) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 10, pl. 5, fig. 4
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24457 *Amusium ocalanum* (Dall) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 10, pl. 5, fig. 5
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 1115 *Amusium rexmaris*† Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 90, pl. 15, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 25059 *Amusium pennyi* Harris Holotype
Harris, Johns Hopkins Univ. Studies in Geol., v. 7, 1926, p. 108,
pl. 19, fig. 5
Cipero sec., N. of mouth of Cipero R., W. Naparima Ward, W.
Victoria Co., Trinidad, W. I. Oligo-Miocene
- 186 *Amusium squamulum* (Lamarck) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 44, pl. 7, figs. 2, 2a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 187 *Amusium squamulum* (Lamarck) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 44, pl. 7, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 455 *Amusium squamulum* (Lamarck)? Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 17
Negreet Bayou, Sabine Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 456 *Amusium squamulum* (Lamarck)? Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 18
Negreet Bayou, Sabine Par., La. Cook Mt., fm., upper
Claiborne gr., middle Eocene
- 457 *Amusium squamulum* (Lamarck)? Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 18a
Negreet Bayou, Sabine Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 24795 *Anachis avara semiplicata* (Stearns) Representative specimen
Perry and Schwengel, 1955, p. 159, pl. 31, fig. 224
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 24907 *Anachis avara semiplicata* (Stearns) Hypotype
Perry and Schwengel, 1955, p. 159, pl. 51, fig. 345 (egg capsules)
Sanibel, Lee Co., Fla. Recent

- 24796 *Anachis avara similis* (Ravenel) Representative specimen
Perry and Schwengel, 1955, p. 160, pl. 31, fig. 225
Sanibel, Lee Co., Fla. Recent
- 24797 *Anachis obesa* (C.B. Adams) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 147, pl. 32, fig. 226; Perry
and Schwengel, 1955, p. 160, pl. 32, fig. 226
Sanibel, Lee Co., Fla. Recent
- 20465 *Anachis* (*Costoanachis*) *stevensoni* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 112, pl. 7, fig. 6
Zacachún corehole, depth 80-90 ft., Progreso Basin, Guayas
Prov., SW. Ecu. Subibaja fm., lower Miocene
- 20407 *Anadara alargada* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 56, pl. 1, figs. 10, 11
Zacachún corehole, depth 550-560 ft., Progreso Basin, Guayas
Prov., SW. Ecu. Subibaja fm., lower Miocene
- 20408 *Anadara alargada* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 56
Zacachún corehole, depth 550-560 ft., Progreso Basin, Guayas
Prov., SW. Ecu. Subibaja fm., lower Miocene
- 20409 *Anadara alargada* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 56
Dos Bocas corehole No. 1, depth 70-80 ft., Zacachún sec., W.
Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm.,
lower Miocene
- 24588 *Anadara lienosa floridana* (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 36, pl. 2, fig. 8
Sanibel, Lee Co., Fla. Recent
- 24586 *Anadara notabilis* (Roeding) Representative specimen
Perry and Schwengel, 1955 p. 35, pl. 1, figs. 6a, b
Four to six fms., Sanibel, Lee Co., Fla. Recent
- 3913 *Anadara staminea* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, pl. 1, fig. 5
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3914 *Anadara staminea* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, pl. 1, figs 6, 7
S. of Flag Pond, Calvert Co., Md. Choptank fm., lower
middle Miocene
- 3919 *Anadara staminea* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, pl. 2, fig. 4
N. of Calvert Beach, Calvert Co., Md. Choptank fm.,
lower middle Miocene
- 3910 *Anadara subrostrata* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, fig. 2
S. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene

- 3911 *Anadara subrostrata* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, pl. 1, fig. 3
S. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3912 *Anadara subrostrata* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 21, pl. 1, fig. 4
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 20410 *Anadara (Cunearca) thalia* (Olsson) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 58, pl. 2, figs. 1-3 (not
20401 as in text)
Twenty km. N. 81° E. of Calceta, N. Daule Basin, Manabí
Prov., W. Ecua. Daule fm., middle Miocene
- 20410a *Anadara (Cunearca) thalia* (Olsson) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 58, pl. 2, fig. 4
Twenty km. N. 81° E. of Calceta, N. Daule Basin, Manabí
Prov., W. Ecua. Daule fm., middle Miocene
- 24587 *Anadara transversa* (Say) Representative specimen
Perry and Schwengel, 1955, p. 36, pl. 1, figs. 7a, 7b; pl. 2, fig. 7c
Sanibel, Lee Co., Fla. Recent
- 5870 *Anastomoceras mirabile* Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 89, pl. 5, figs. 1, 4-7
Indian Ladder, Albany Co., N. Y. Helderbergian, Lower
Devonian
- 5872 *Anastomoceras rudis* (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 90, pl. 5, figs. 2, 3
Schoharie, Schoharie Co., N. Y. New Scotland ls., Lower
Devonian
- 5873 *Anastomoceras rudis* (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 90, pl. 7, fig. 12
Catskill, Greene Co., N. Y. New Scotland ls., Lower
Devonian
- 5874 *Anastomoceras rudis* (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 90
Catskill, Greene Co., N. Y. New Scotland ls., Lower
Devonian
- 4850 *Anatimya* sp. Figured specimen
Olsson, B.A.P., v. 28, No. 111, 1944, p. 44, pl. 6, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4851 *Anatimya* sp. Figured specimen
Olsson, B.A.P., v. 28, No. 111, 1944, p. 44, pl. 6, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 3733 *Anatina anchana* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 38, pl. 5, fig. 4
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian-upper Albian

- 24696 *Anatina lineata* (Say) Representative specimen
Perry and Schwengel, 1955, p. 89, pl. 18, fig. 116
Sanibel, Lee Co., Fla. Recent
- 24697 *Anatina plicatella* (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 90, pl. 18, fig. 117
Sanibel, Lee Co., Fla. Recent
- 20440 *Anatina (Raëta) undulata* (Gould) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 87, pl. 5, fig. 3
Near Progreso, Progreso Basin, Guayas Prov., SW. Ecu.
Progreso fm., middle Miocene
- 4943 *Anchura pacifica* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 92, pl. 14, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 1016 *Ancilla brassica* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 199, pl. 33, fig. 1
Brasso district, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
Brasso fm., Miocene
- 1023 *Ancilla brassica* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 199, pl. 33, fig. 8
One half mi. above Brasso station, Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 1024 *Ancilla brassica* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 199, pl. 33, fig. 9
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem. Manzanilla fm., Miocene
- 1019 *Ancilla caroniana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 198, pl. 33, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1025 *Ancilla caroniana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 198, pl. 33, figs. 10, 12
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1022 *Ancilla lamellata* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 197, pl. 33, fig. 7
"NE. quarter E 24" near boundary of SE. corner of Chaguanas
Ward, Caroni Co., and NW. corner of Charuma Ward, Nariva
Co., Trinidad, W. I. Manzanilla fm., Miocene
- Ancilla lamellata* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 197, pl. 33, fig. 11 (lost
prior to 1937)
"NE. quarter E 24" near boundary of SE. corner of Chaguanas
Ward, Caroni Co., and NW. corner of Charuma Ward, Nariva
Co., Trinidad, W. I. Manzanilla fm., Miocene

- 24233 **Ancilla (Ancillarina) pananga** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 41, pl. 6, figs. 9, 10
 Salinas, S. of Negritos, Dept. of Piura, Peru Talara fm.,
 lower upper Eocene
- 318 **Ancilla (Olivula) staminea** (Conrad) Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 30, pl. 3, fig. 13
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 3284 **Ancilla staminea** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 428, pl. 68, figs. 7, 11
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3285 **Ancilla staminea** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 428, pl. 68, fig. 9
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3282 **Ancilla staminea maternae** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 430, pl. 68, figs. 3, 8
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 3283 **Ancilla staminea punctulifera** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 429, pl. 68, figs. 10, 17
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 20992 **Ancillaria aquaensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 94, pl. 7, fig. 10
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 4036 **Ancistrosyrix cedonulli reevei** Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 53, pl. 10, fig. 4
 Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
 Pan. Charco Azul fm., Pliocene
- 20930 **Ancistrosyrix dalli** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 60, pl. 4, fig. 16
 Toro Cays, Bocas del Toro Prov., Pan. Gatun fm., middle
 Miocene
- 20931 **Ancistrosyrix elegans** Dall "var." Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 60, pl. 4, fig. 17
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 2084 **Anconia elenensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 84, pl. 16, figs. 1, 9
 Ancon Point, SW. Ecua. Ancon Point stage, middle
 Oligocene
 Type species of *Anconia* Olsson, 1931
- 2087 **Anconia elenensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 84, pl. 16, fig. 5

- Ancon Point, SW. Ecua. Ancon Point stage, middle
Oligocene
- 2089 *Anconia elenensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 84, pl. 16, fig. 8
Ancon Point, SW. Ecua. Ancon Point stage, middle
Oligocene
- 2090 *Anconia elenensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 84, pl. 16, fig. 10
Ancon Point, SW. Ecua. Ancon Point stage, middle
Oligocene
- 3885 *Andicula occidentalis* (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 28, pl. 7, fig. 3
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
Type species of *Andicula* Olsson, 1929
- 3886 *Andicula occidentalis* (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 28, pl. 7, fig. 4
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
- 5050 *Anglicornus anneliesae* Flower and Caster Holotype
Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 53, pl. 6, figs.
14, 15
Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
stage, Upper Devonian
- 5051 *Anglicornus anneliesae* Flower and Caster Paratype
Flower and Caster, B.A.P. v. 22, No. 75, 1935, p. 53
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl.
(Salamanca), Conewango stage, Upper Devonian
- 25439 *Angulogerina cojimarensis* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 186, pl. 15, fig. 7 [D.K.P. slide 191.9-18 (67)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, B.A.P., v. 38, No. 171, 1958, p. 222]
- 25440 *Angulogerina* cf. *eximia* Cushman and Jarvis Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 186, pl. 15, fig. 18 [D.K.P. slide 191.9-18 (39)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of
junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, B.A.P., v. 38,
No. 171, 1958, p. 222]
- 21676 *Angulogerina gallowayi* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 28, pl. 5, fig. 8
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 22310 *Angulogerina occidentalis* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 350, pl. 46, fig. 5
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22311 *Angulogerina* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, fig. 6
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 25441 *Angulogerina yumuriana* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 186, pl. 15, fig. 8 [D.K.P. slide 191.9-18 (38)]
NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, B.A.P., v. 38, No. 171,
1958, p. 222]
- 20363 *Annularia (Bermudezia) bermudezi* Torre and Bartsch
"Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 356 (4 specimens)
Loma Murciélagos, near Vega Alta, Santa Clara Prov., Cuba
Coll. P. J. Bermudez Recent
- 20371 *Annularia (Troschelvindex) candeana fallax* Torre and Bartsch
"Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 331 (8 specimens)
Cagaguas, Sagua la Grande, Santa Clara Prov., Cuba Coll. P. J.
Bermudez Recent
- 20381 *Annularia (Bermudezia) obliterated* Torre and Bartsch
"Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 358 (4 specimens)
Cerro de Guajabana, Remedios, Santa Clara Prov., Cuba Coll.
P. J. Bermudez Recent
- 20367 *Annularia (Annularodes) obsoleta* Torre and Bartsch
"Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 287 (2 specimens)
Pié Valdés, Yaguajay, Santa Clara Prov., Cuba Coll. P. J.
Bermudez Recent
- 12 *Anodonta cornelliana* Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 79, pl. 29, fig. 5
Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N., R.
5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
lower Miocene
- 13 *Anodonta cornelliana* Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 79, pl. 29, fig. 7
Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N., R.
5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
lower Miocene
- 15 *Anodonta cornelliana* Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 79, pl. 29, fig. 6
Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N., R.
5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
lower Miocene

- Anodonta cornelliana** Maury Syntype
 Maury, B.A.P., v. 3, No. 15, 1902, p. 79, pl. 29, fig. 3 (missing prior to 1937)
 Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N., R. 5 E., Ouachita R., Ouachita Par., La. Catahoula ss., lower Miocene
- 24932 **Anodontia alba** Link Hypotype
 Perry and Schwengel, 1955, p. 65, pl. 40, fig. 292
 Sanibel, Lee Co., Fla. Recent
- 24643 **Anodontia pectinata** (Gmelin) Representative specimen
 Perry and Schwengel, 1955, p. 65, pl. 11, fig. 64
 Sanibel, Lee Co., Fla. Recent
- 24648 **Anodontia philippiana** (Reeve) Representative specimen
 Perry and Schwengel, 1955, p. 66, pl. 12, fig. 69
 Sanibel, Lee Co., Fla. Recent
- 20428 **Anodontia stainforthi** Marks Holotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 69, pl. 4, fig. 8
 S. of Progreso, Progreso Basin, Guayas Prov., SW. Ecu. upper Progreso fm., middle Miocene
- 20429 **Anodontia stainforthi** Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 69
 S. of Progreso, Progreso Basin, Guayas Prov., SW. Ecu. upper Progreso fm., middle Miocene
- 4011 **Anodontites olssoni** Palmer Holotype
 Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 50, pl. 9, fig. 7
 On road from Biblián to Azógues, Cañar Prov., Ecu. Biblián ss., possible Miocene
- 25237 **Anomalina clementiana** (d'Orbigny) Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 38
 Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt, Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- Anomalina dorri** Cole Holotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 18, pl. 3, fig. 1 (not deposited in 1928)
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- Anomalina dorri** Cole Paratype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 18, pl. 3, fig. 2 (not deposited in 1928)
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- 22707 **Anomalina falcata** (Reuss) Hypotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 202, pl. 14, fig. 8 (S-846)
 Bank in small cr., about 400 ft. E. of Forrest Park Blvd. in 2900-block, Forth Worth, Tarrant Co., Tex. Fort Worth fm., Washita gr., Albian, Lower Cretaceous

- 22705 *Anomalina grosserugosa* (Gümbel) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 201, pl. 14, fig. 9
(S-843)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
See *A. pinguis* Jennings, n.n.
- 21706 *Anomalina grosserugosa* (Gümbel) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 18, pl. 1, figs. 16, 17
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 20549- *Anomalina henbesti* Plummer Syntypes
20551 Plummer, Univ. Tex. Bull. 3501, 1936, p. 290, pl. 5, figs. 7-9;
Marks, Micropal., v. 6, No. 4, 1952, p. 34
Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
ing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 20552 *Anomalina henbesti* Plummer Syntype
Plummer, Univ. Tex. Bull. 3501, 1936, p. 290, pl. 5, fig. 10;
Marks, Micropal., v. 6, No. 4, 1952, p. 34
Subsurface sample, depth 1108-1215 ft., Murchison no. 1, McNeill
Petroleum Co., 0.75 mi. SW. of Cedar Cr., Bastrop Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 20553 *Anomalina judas* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 28, pl. 7, fig. 4; Marks, Micropal., v. 6, No. 4, 1952,
p. 34
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 2+8) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20554 *Anomalina keenae* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 29, pl. 7, fig. 5; Marks, Micropal., v. 6, No. 4, 1952, p. 34
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 4+8) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22676 *Anomalina navarroensis* Plummer Syntypes
Plummer, Univ. Tex. Bull. 2644, 1927, pp. 150, 172, pl. 2, fig. 6
(S-1026; not in Walker Mus. as on p. 172; not loc. as p. 172)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
Anomalina pseudopapillosa Carsey, 1926. *Fide* personal note in
Plummer copy, P.R.I.
- 25236 *Anomalina pinguis* Jennings, n.n. Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 37
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm. or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
New name for *A. grosserugosa* Plummer, 1931
- 20555 *Anomalina regina* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 28, pl. 9, fig. 3; Marks, Micropal., v. 6, No. 4, 1952, p. 34

Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 7-156) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene

- 22706 *Anomalina taylorensis* Carsey Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 202 (S-844)
Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
ing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 21685 *Anomalina umbonata* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 35
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
bal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21686 *Anomalina umbonata* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 35
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
bal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 981 *Anomalocardia brasiliiana* (Gmelin) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 165, pl. 29, fig. 10
Brazil Recent
- 982 *Anomalocardia brasiliiana* (Gmelin) Hypotype
Maury, B.A.P. v. 10, No. 42, 1925, p. 165, pl. 29, fig. 11
Freeport-Todd's rd., at 2 mi. post, NW. central Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. upper Miocene
- 24670 *Anomalocardia cuneimeris* (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 75, pl. 14, fig. 91
Clam Bayou, Sanibel, Lee Co., Fla. Recent
- 5301 "*?Anomia* [or] *?Archinacella incerta*" Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 41, fig. 13
Stone Hill, near Stoneham, Warren Co., Pa. Conewango
stage, Upper Devonian
- 2173 *Anomia berryi* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 83, pl. 3, fig. 6
Quebrada Picos, Dept. of Tumbes, Peru Variegated beds,
lower Miocene
- 2169 *Anomia berryi* Spieker "var." Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 83, pl. 3, fig. 2
Zorritos, Dept. of Tumbes, Peru Variegated beds, lower
Miocene
- 400 *Anomia ephippioides* Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 16, pl. 11, fig. 1
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec.
35, T. 5 N., R. 13 W., Sabine Par., La. [See Veatch Survey,
1902, p. 129] Stone City beds, middle Claiborne gr.,
middle Eocene [see Stenzel, Krause, and Twining, 1957, p. 101]
- 401 *Anomia ephippioides* Gabb Hypotype
Harris, B.A.P. v. 6, No. 31, 1919, p. 16, pl. 11, fig. 2
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$

Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. [See Veatch Survey, 1902, p. 129] Stone City beds, middle Claiborne gr., middle Eocene [see Stenzel, Krause, and Twining, 1957, p. 101]

- 402 *Anomia ephippioides* Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 16, pl. 11, fig. 3
East Texas ("exact locality unknown" GDH) Stone City
beds, Claiborne gr., middle Eocene [Stenzel, Krause, and Twining, 1957, p. 101]
- 21978 *Anomia gabbi falconensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 42, pl. 24, fig. 1
Ten km. NE. of Urumaco on rd. to Sabaneta, Dist. of Miranda, St. of Falcón, Ven. "Damsite fm.," [Caujarao fm.]
upper middle Miocene
- 21988 *Anomia gabbi falconensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 42, pl. 26, figs. 1, 2
Ten km. NE. of Urumaco on rd. to Sabaneta, Dist. of Miranda, St. of Falcón, Ven. "Damsite fm.," [Caujarao fm.]
upper middle Miocene
- 405 *Anomia lisbonensis* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 17, pl. 11, fig. 6
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 406 *Anomia lisbonensis* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 17, pl. 11, fig. 7
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 407 *Anomia lisbonensis* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 17, pl. 11, fig. 8
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 408 *Anomia lisbonensis* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 17, pl. 11, fig. 9
"Louisiana" Cook Mt. fm., upper Claiborne gr., middle Eocene
- 409 *Anomia lisbonensis* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 17, pl. 11, fig. 10
"Louisiana" Cook Mt. fm., upper Claiborne gr., middle Eocene
- 410 *Anomia navicelloides hammetti* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, figs. 1, 2
Hammett's Branch, SW. $\frac{1}{4}$ Sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 403 *Anomia navicelloides hammetti* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 11, fig. 4

Hammett's Branch, SW. $\frac{1}{4}$ Sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 404 *Anomia navicelloides hammetti* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 11, fig. 5
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 21979 *Anomia palmasensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 42, pl. 24, fig. 2
Dist. of Buchivacoa, St. of Falcón, Ven. Miocene
- 21982 *Anomia palmasensis* F. Hodson Holotype
Hodson, F. Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 42, pl. 24, fig. 5
S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. Miocene
- 21983 *Anomia palmasensis* F. Hodson Paratype
Hodson, F. Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 42, pl. 24, fig. 6
Quebrada de las Palmas, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. Miocene
- 3526 *Anomia septenaria* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 18, pl. 2, fig. 2
Mouth of Quebrada Salado, 10 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 3527 *Anomia septenaria* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 18, pl. 2, fig. 3
Mouth of Quebrada Salado, 10 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 850 *Anomia simplex* d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 92, pl. 12, fig. 8
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I. Matura fm., upper Pliocene
- 21180 *Anomia simplex* d'Orbigny Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 209, pl. 21, fig. 6
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 24611 *Anomia simplex* d'Orbigny Representative specimen
Perry and Schwengel, 1955, p. 51, pl. 6, fig. 32
Sanibel, Lee Co., Fla. Recent
- 25327 *Anomia simplex* d'Orbigny Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937, p. 24, pl. 2, fig. 1
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 220 *Anomia* sp. Figured specimen
Harris, B.A.P., v. 2, No. 9, 1897, p. 42, pl. 6, fig. 10

Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene

- 21975 *Anomia venezuelana* Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 43, pl. 23, figs. 2, 3
N. 65 m. from 3d quebrada N. of Codore de Dentro, N. of
Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21990 *Anomia venezuelana* Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 43, pl. 26, fig. 4
Between LaVela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 5460C *Anoplothea cf. silvetii* (Ulrich) Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 143, pl. 7, figs. 25, 26
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 25246 *Antibythocypris gooberi* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 46
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
Type species of *Antibythocypris* Jennings, 1936
- 1714 *Antigona (Circumphalus) blandiana* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 131, pl. 31, fig. 2
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1715 *Antigona (Circumphalus) blandiana* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 131, pl. 31, fig. 3a
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1716 *Antigona (Circumphalus) blandiana* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 131, pl. 31, fig. 7
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1717 *Antigona (Circumphalus) blandiana* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 131, pl. 31, fig. 10
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P.O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 21302 *Antigona blandiana* (Guppy) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 241, pl. 30, fig. 5
Comadre Creek near Cahuita, Limon Prov., C. R.
Gatun fm., middle Miocene

- 21303 *Antigona blandiana* (Guppy) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 241, pl. 30, fig. 6
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1712 *Antigona (Dosina) caesarina* (Dall) Hypotype
Palmer, P.A., v. 1, No. 5, 1929, p. 126, pl. 29, figs. 1, 1a
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 22929 *Antigona (Dosina) caribbeana* Anderson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 21, pl. 4, fig. 12
Usiacuri, Dept. of Atlantico, Col. middle-upper Miocene
- 21298 *Antigona (Dosina) dominica* Palmer Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 239, pl. 30, fig. 1; Palmer,
P. A., v. 1, No. 5, 1927, p. 127, pl. 31, fig. 15 = *Antigona*
caribbeana Anderson, 1927, see Palmer, 1927, p. 216
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
See *Antigona multicostata* (Sowerby)
- 1713 *Antigona (Circumphalus) harrisiana* (Olsson) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 131, pl. 31, figs. 1, 3
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 21300 *Antigona harrisiana* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 241, pl. 30, fig. 3; Palmer,
P. A., v. 1, No. 5, 1927, p. 131, pl. 30, fig. 6 in subgenus
Circumphalus
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 2025 *Antigona inea* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 61, pl. 10, fig. 7
N. of Casa Saman, near Tangara, Chira Valley, Dept. of
Piura, Peru Chira fm., lower Oligocene
- 2028 *Antigona inea* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 61, pl. 10, fig. 10
N. of Casa Saman, near Tangara, Chira Valley, Dept. of
Piura, Peru Chira fm., lower Oligocene
- 1711 *Antigona (Dosina) listeri* (Gray) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 129, pl. 28, figs. 2, 11
Nassau, Bahama Islands, W. I. Recent
- 21298 *Antigona multicostata* (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 239, pl. 30, fig. 1
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
See *Antigona (Dosina) dominica* Palmer
- 22824 *Antigona palmerae* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 58, pl. 31, fig. 6
Quebrada Sarura traverse, Dist. of Acosta, St. of Falcón, Ven.
upper Agua Clara fm., upper Oligocene

- 22825 *Antigona palmerae* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927; p. 58, pl. 31, fig. 7; pl. 35, fig. 8
Punta Soldado, Curamichate, Dist. of Acosta, St. of Falcón,
Ven. Oligocene-Miocene
- 21301 *Antigona rugosa* (Gmelin) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 240, pl. 30, fig. 4
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3735 *Antigona* sp. Figured specimen
Olsson, B.A.P., v. 20, No. 69, 1934, p. 54, pl. 5, fig. 6 (missing
prior to 1937)
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- Antigona speciosa* Olsson
See *Aphrodina speciosa* Olsson
- 1706 *Antigona staminea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 121, pl. 27, figs. 2, 10
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 3967 *Antigona staminea* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 61, pl. 11, fig. 6
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3968 *Antigona staminea* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 61, pl. 11, fig. 7
"Old Walls Place", Charles Co., Md. Calvert fm., lower
middle Miocene
- 1707 *Antigona staminea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 121, pl. 27, figs. 2, 14
Plum Point, Calvert Co., Md., Calvert fm., lower middle
Miocene
- 1708 *Antigona staminea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 121, pl. 27, figs. 4, 11
Plum Point, Calvert Co., Md., Calvert fm., lower middle
Miocene
- 1709 *Antigona staminea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 121, pl. 27, fig. 5
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 1710 *Antigona staminea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 121, pl. 27, fig. 9 (both
valves)
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 3969 *Antigona staminea* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, 94B, 1940, p. 61, pl. 11, fig. 8

- S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 21307 **Antigona tarquina** (Dall) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 240, pl. 30, fig 10
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20508 **Antiplanes macfarlandi** Berry Paratype
Berry, B.A.P., v. 31, No. 127, 1947, p. 8
"Hilltop Quarry", (pit in quarry floor), San Pedro, Los Angeles
Co., Calif. Lomita fm., lower Pleistocene
- 4860 **Aphrodina cf. auca** (d'Orbigny) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 55
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4861 **Aphrodina cf. auca** (d'Orbigny) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 55
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4861a **Aphrodina cf. auca** (d'Orbigny) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 55
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone Maestrichtian
- 4858 **Aphrodina (Sechurina) australis** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 57, pl. 7, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
Type species *Sechuriana* Olsson, 1944
- 4859 **Aphrodina (Sechurina) australis** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 57, pl. 7, figs. 3, 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4857 **Aphrodina pacifica** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 54, pl. 7, figs. 1, 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4836 **Aphrodina speciosa** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 56, pl. 4, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
= *Antigona speciosa* Olsson
- 4837 **Aphrodina speciosa** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 56, pl. 4, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4838 **Aphrodina speciosa** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 56, pl. 4, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian

- 21204 *Arca (Scapharca) actinophora* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 185, pl. 23, fig. 7
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21205 *Arca (Scapharca) actinophora* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 185, pl. 23, fig. 8
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21222 *Arca (Scapharca) actinophora* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 185, pl. 25, fig. 3
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 815 *Arca (Barbatia) adamsi* (Shuttleworth) Smith Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 45, pl. 8, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 822 *Arca (Barbatia) adamsi* (Shuttleworth) Smith Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 45, pl. 8, fig. 8
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 1440 *Arca (Barbatia) adamsi* (Shuttleworth) Smith Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 22, pl. 4, fig. 16
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1441 *Arca (Barbatia) adamsi* (Shuttleworth) Smith Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 22, pl. 4, fig. 17
Currie, [within 10 mi., H. G. Richards, 1958] Pender Co., N. C.
Duplin fm., upper Miocene
- 1442 *Arca (Barbatia) adamsi* (Shuttleworth) Smith Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 22, pl. 5, fig. 1
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1562 *Arca (Scapharca) aequatorialis* d'Orbigny Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 34, pl. 3, fig. 2
Búcaro*, Los Santos Prov., Panama Recent
- 1567 *Arca (Scapharca) aequatorialis* d'Orbigny Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 34, pl. 3, fig. 9 (2 specimens)
Búcaro*, Los Santos Prov., Panama Recent
- 1505 *Arca (Scapharca) aresta* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 53, pl. 12, figs. 9, 10 (both
valves)
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
upper bed (Shoal R. fm.) Alum Bluff gr., middle
Miocene
- 1506 *Arca (Scapharca) aresta* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 53, pl. 12, fig. 11
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene

- 785 **Area (Scapharca) auriculata** Lamarck Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 49, pl. 4, fig. 2
Erin Point SW. shore, S. Erin Ward, S. central St. Patrick Co.,
Trinidad, W. I. Recent
- 21190 **Area (Scapharca) auriculata** Lamarck Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 190, pl. 22, fig. 3 (young
shell)
Old Man Sam Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21878 **Area (Scapharca) berjadinensis** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 6, pl. 4, fig. 1
Exact locality not designated, Dists. of Colina, Buchivacoa, or
Democracia, St. of Falcón, Ven. Miocene
- 21879 **Area (Scapharca) berjadinensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 6, pl. 4, figs. 2, 3
First main ridge N. of Urumaco, Dist. of Democracia, St. of
Falcón, Ven. Miocene
- 21881 **Area (Scapharca) berjadinensis** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 6, pl. 4, fig. 5
W. end section of Urumaco, Dist. of Democracia, St. of Falcón,
Ven. Miocene
- 1569 **Area (Scapharca) bifrons** Carpenter Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 35, pl. 3, fig. 12
Near Río Chepo, E. Panama Prov., Pan. Recent
- 792 **Area (Scapharca) billingsiana maturensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 78, pl. 5, fig. 3; pl. 6, fig.
11
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 804 **Area (Scapharca) billingsiana maturensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 78, pl. 6, fig. 9
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 1457 **Area (Noetia) bisulcata** Lamarck Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 29, pl. 7, fig. 4
St. of Maranhão, Brazil Recent
- 1458 **Area (Noetia) bisulcata** Lamarck Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 29, pl. 7, fig. 5
St. of Maranhão, Brazil Recent
- 784 **Area (Scapharca) brasiliiana** Lamarck Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 66, pl. 4, fig. 1
Trinidad, W. I. Recent
- 787 **Area (Scapharca) brasiliiana** Lamarck Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 66, pl. 4, fig. 4
Trinidad, W. I. Recent

- 788 *Arca (Scapharca) brasiliiana* Lamarck Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 66, pl. 4, fig. 5
Trinidad, W. I. Recent
- 821 *Arca (Scapharca) brassica* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 56, pl. 8, fig. 7
One half mi. above Brasso station, Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. lower Springvale fm., upper
Miocene
- 1560 *Arca (Scapharca) brevifrons bucaruana* Sheldon and Maury
Syntype
Maury, P. A., v. 1, No. 4, 1922, p. 38, pl. 2, fig. 16
Búcaro*, Los Santos Prov., Pan. Recent
- 1568 *Arca (Scapharca) brevifrons bucaruana* Sheldon and Maury
Syntypes
Maury, P. A., v. 1, No. 4, 1922, p. 38, pl. 3, fig. 10 (2 specimens)
Búcaro*, Los Santos Prov., Pan. Recent
- 1497 *Arca (Scapharca) buccula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 45, pl. 10, figs. 17, 18
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 21891 *Arca (Scapharca) buenavista* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 10, pl. 5, fig. 8
Between La Vela de Coro and Taratara, Dist. of Colina, St. of
Falcón, Ven. Miocene
- 21875 *Arca (Scapharca) buenavista* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 10, pl. 3, figs. 3, 6
La Vela traverse, Dist. of Colina, St. of Falcón, Ven.
"Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21206 *Arca (Scapharca) cacica* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 190, pl. 24, fig. 1
Comadre Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1489 *Arca (Scapharca) callicestosa* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 43, pl. 10, figs. 3, 4
North Carolina Miocene
- 1490 *Arca (Scapharca) callicestosa* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 43, pl. 10, fig. 5
North Carolina Miocene
- 814 *Arca (Scapharca) campechensis* Dillwyn Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 74, pl. 7, fig. 8
"Megaro Bay"=Mayaro Bay*, (pers com., H. Kugler, 1957) SE.
coast of Trinidad, W. I. Recent
- 1516 *Arca (Scapharca) campechensis* Dillwyn Hypotype
Sheldon, P. A. v. 1, No. 1, 1917, p. 61, pl. 15, fig. 8
Point-au-Fer, Atchafalaya Bay, Terre Bonne Par., La.
Recent

- 1519 **Arca (Scapharca) campechensis** Dillwyn Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 61, pl. 15, fig. 13
Locality unknown Recent
- 1517 **Arca (Scapharca) campechensis americana** (Gray) Wood Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 62, pl. 15, fig. 9
Georgetown, Georgetown Co., S. C. Pleistocene
- 1518 **Arca (Scapharca) campechensis pexata** Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 62, pl. 15, figs. 11, 12
Mobile, Mobile Co., Ala. Recent
- 25326 **Arca campechiensis** Gmelin Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 9
Beaufort, Carteret Co., N. C. Recent
- 1507 **Arca (Scapharca) campsa** Dall Hypotype
Sheldon, P. A. v. 1, No. 1, 1917, p. 54, pl. 12, fig. 12
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1508 **Arca (Scapharca) campsa** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 54, pl. 13, figs. 1, 2
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.,
upper bed (Shoal R. fm.), Alum Bluff gr., middle
Miocene
- 1509 **Arca (Scapharca) campsa** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 54, pl. 13, fig. 3
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
upper bed (Shoal R. fm.), Alum Bluff gr., middle
Miocene
- 820 **Arca (Barbatia) candida** Gmelin Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 42, pl. 8, fig. 6
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 1431 **Arca (Barbatia) candida** Gmelin Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 16, pl. 3, fig. 11
Dom. Rep. Recent
- 1432 **Arca (Barbatia) candida** Gmelin Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 16, pl. 3, fig. 12
Dom. Rep. Recent
- 21192 **Arca (Barbatia) candida** Gmelin Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 183, pl. 22, fig. 5
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21193 **Arca (Barbatia) candida** Gmelin Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 183, pl. 22, fig. 6
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene

- 1488 *Arca (Scapharca) carolinensis* Wagner Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 42, pl. 10, fig. 2
North Carolina Miocene
- 1435 *Arca (Barbatia) centenaria* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 19, pl. 4, fig. 5
James R., Va. Yorktown fm., upper Miocene
- 1436 *Arca (Barbatia) centenaria* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 19, pl. 4, fig. 6
James R., Va. Yorktown fm., upper Miocene
- 1437 *Arca (Barbatia) centenaria* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 19, pl. 4, fig. 7
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 824 *Arca (Noetia) centrota* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 38, pl. 8, fig. 10
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 826 *Arca (Noetia) centrota* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 38, pl. 8, fig. 12
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 4082 *Arca (Scapharca) charcoazulensis* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 29, pl. 3, fig. 7
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan.
Charco Azul fm., Pliocene
- 4083 *Arca (Scapharca) charcoazulensis* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 29, pl. 3, fig. 8
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan.
Charco Azul fm., Pliocene
- 774 *Arca (Scapharca) chiriquiensis* Gabb Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 59, pl. 2, fig. 2
On road from Sabeneta to Guayubin, end of Samba hills, NW.
Dom. Rep. Miocene
- 776 *Arca (Scapharca) chiriquiensis carolinoides* Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 60, pl. 2, fig. 4
N. of Manzanilla Point, SE. Manzanilla Ward, central St.
Andrew Co., Trinidad, W. I. middle Miocene
- 2159 *Arca (Senilia) chiriquiensis septifera* Grzybowski Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 73, pl. 1, fig. 5
Punta Picos, Dept. of Tumbes, Peru upper Zorritos
fm., lower Miocene
- 773 *Arca (Scapharca) chiriquiensis stamineopsis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 60, pl. 2, fig. 1
N. of Manzanilla Point, SE. Manzanilla Ward, central St.
Andrew Co., Trinidad, W. I. middle Miocene

- 2157 **Arca (Senilia) chiriquiensis toroensis** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 71, pl. 1, fig. 3
Quebrada Picos, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 2158 **Arca (Senilia) chiriquiensis toroensis** Spieker Hypotype
Olsson, B. A. P., v. 19, No. 68, 1932, p. 71, pl. 1, fig. 4
Quebrada La Cruz, Dept. of Tumbes, Peru upper Zor-
ritos fm., lower Miocene
- 1504 **Arca (Scapharca) elisea** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 52, pl. 12, fig. 7
North Carolina Miocene
- 2156 **Arca (Diluvarca) colomba** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 67, pl. 1, figs. 2, 6 (not
A. columba as given in text)
Mouth of Quebrada Grillo at Sechurita, Dept. of Tumbes, Peru
Cardalitos fm., middle Miocene
- 809 **Arca (Scapharca) confugium** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 53, pl. 7, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21899 **Arca (Scapharca) cornellana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 12, pl. 6, fig. 4
E. of Quebrada La Mesa and N. of Río Tamare, 8 km. SW. of
Quiroz*, Dist. of Bolívar, St. of Zulia, Ven. Miocene
- 21900 **Arca (Scapharca) cornellana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 12, pl. 6, fig. 5
E. of Quebrada La Mesa and N. of Río Tamare, 8 km. SW. of
Quiroz*, Dist. of Bolívar, St. of Zulia, Ven. Miocene
- 21220 **Arca (Scapharca) costaricensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 186, pl. 25, fig. 1
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21221 **Arca (Scapharca) costaricensis** Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 186, pl. 25, fig. 2
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 807 **Arca (Scapharca) couvae** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 51, pl. 7, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 1423 **Arca (Barbatia) cuculloidis** Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 13, pl. 2, fig. 8
Texas Jackson gr., upper Eocene

- 1424 **Arca (Barbatia) cuculloid**s Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 13, pl. 2, figs. 9, 10
One mi. above Gibsons Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 1425 **Arca (Barbatia) cuculloid**s Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 13, pl. 2, figs. 11, 12
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 24468 **Arca (Barbatia) cuculloid**s Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 15, pl. 6, fig. 9
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24469 **Arca (Barbatia) cuculloid**s Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 15, pl. 7, fig. 1
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 830 **Arca (Scapharca) cuneareopsis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 62, pl. 8, fig. 16
N. 600 ft. of Pointe Noir, about 3 mi. N. of Manzanilla, E.
Manzanilla Ward, St. Andrew Co., Trinidad, W. I.
"Pointe Noir" fm., equivalent Springvale fm., upper Miocene
- 801 **Arca (Scapharca) dariensis** Brown and Pilsbry Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 55, pl. 6, fig. 5
Gatun, C. Z. Gatun fm., middle Miocene
- 21196 **Arca (Scapharca) dariensis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 184, pl. 22, fig. 10
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21197 **Arca (Scapharca) dariensis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 184, pl. 22, fig. 11
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21198 **Arca (Scapharca) dariensis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 184, pl. 22, fig. 12
Gatun, C. Z. Gatun fm., middle Miocene
- 21199 **Arca (Scapharca) dariensis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 184, pl. 22, fig. 13
Gatun, C. Z. Gatun fm., middle Miocene
- 21896 **Arca (Scapharca) democraciana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 14, pl. 6, fig. 1
E. of Rim Rock, between Taratara and La Vela, Dist. of Colina,
St. of Falcón, Ven. Miocene
- 21897 **Arca (Scapharca) democraciana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 14, pl. 6, fig. 2

NW. La. Vela section, Dist. of Colina, St. of Falcón, Ven.
Miocene

- 21898 **Arca (Scapharca) democraciana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 14, pl. 6, fig. 3
S. sec., La Vela structure, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 786 **Arca (Scapharca) deshayesi** Hanley Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 49, pl. 4, fig. 3
Guadeloupe, F. W. I. Recent
- 1474 **Arca (Scapharca) dodona** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 37, pl. 8, fig. 6
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1475 **Arca (Scapharca) dodona** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 37, pl. 8, figs. 7-9
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1476 **Arca (Scapharca) dodona** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 37, pl. 8, fig. 10
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 797 **Arca (Scapharca) esperanza** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 64, pl. 6, fig. 1
Brasso junc. quarry, ½ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- 819 **Arca (Scapharca) filicata** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 68, pl. 8, fig. 5
Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 803 **Arca (Scapharca) fontinalis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 55, pl. 6, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21342 **Arca (Scapharca) fontinalis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 55, pl. 6, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 2155 **Arca (Senilia) garitensis** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 75, pl. 1, fig. 1
La Garita between Zorritos and Tumbes, Dept. of Tumbes, Peru
Tumbes*fm., upper Miocene

- 21202 *Arca (Scapharca) golfoyaquensis medioamericana* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 188, pl. 23, figs. 4, 5
Hone Walk Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21203 *Arca (Scapharca) golfoyaquensis medioamericana* Olsson Syntype
Olsson, B. A. P., v. 9, No. 39, 1922, p. 188, pl. 23, fig. 6
Hone Walk Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21902 *Arca grandis waringi* Maury Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 7, pl. 7, figs. 1, 4
N. of La Vela, NW. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. Miocene
- 796 *Arca (Scapharca) halidonata* Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 48, pl. 5, fig. 8
Bowden, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I. Bowden fm., middle Miocene
- 193 *Arca hatchetigbeensis* Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 47, pl. 7, figs. 10, 10a; Sheldon, P. A., v. 1, No. 1, 1917, p. 6, pl. 1, figs. 1-3
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 805 *Arca (Scapharca) henekeni* Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 53, pl. 6, fig. 10
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co., Trinidad, W. I. Machapoorie mem. Manzanilla fm., Miocene
- 21218 *Arca (Scapharca) henekeni* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 186, pl. 24, fig. 13
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 21219 *Arca (Scapharca) henekeni* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 186, pl. 24, fig. 14
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 811 *Arca (Scapharca) henekeni trinidadensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 54, pl. 7, fig. 5
SW. from Brasso, N. Charuma Ward, NW. Nariva Co., Trinidad, W. I. lower or lower middle Miocene
- 21212 *Arca (Scapharca) hindsii* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 193, pl. 24, fig. 7
E. Grape Point Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21213 *Arca (Scapharca) hindsii* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 193, pl. 24, fig. 8
Río Betey, Limon Prov., C. R. Gatun fm., middle Miocene

- 21214 *Arca (Scapharca) hindsii* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 193, pl. 24, fig. 9
Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21194 *Arca (Scapharca) honensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 187, pl. 22, fig. 8
Hone Walk Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21195 *Arca (Scapharca) honensis* Olsson Syntype
Olsson, B.A. P., v. 9, No. 39, 1922, p. 187, pl. 22, fig. 9
Hone Walk Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1469 *Arca (Scapharca) hypomela* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 34, pl. 7, figs. 22, 23
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1470 *Arca (Scapharca) hypomela* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 34, pl. 7, figs. 24, 25
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1485 *Arca (Scapharca) idonea* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 41, pl. 9, figs. 14, 15
St. Marys R., St. Marys Co., Md. St. Marys fm., middle
Miocene
- 1486 *Arca (Scapharca) idonea* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 41, pl. 9, fig. 16
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
upper bed (Shoal R. fm.), Alum Bluff gr., middle
Miocene
- 1558 *Arca (Barbatia) illota* (Sowerby) Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 20, pl. 2, fig. 14
Búcaro,* Los Santos Prov., Pan. Recent
- 1491 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, figs. 9, 10
Darlington "Church House", Darlington Co., S. C.
Duplin fm., upper Miocene
- 1492 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, figs. 11, 12
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 1493 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, fig. 13
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 1494 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, fig. 14
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene

- 1495 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, fig. 15
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 1496 *Arca (Scapharca) improcera* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 44, pl. 10, fig. 16
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 802 *Arca (Scapharca) inaequilateralis* (Guppy) Hypotype
Maury, B.A. P., v. 10, No. 42, 1925, p. 56, pl. 6, fig. 6
Rio Gurabo, Zone G., S. Dom. Rep. Gurabo fm., middle Miocene
- 1445 *Arca (Noetia) incile* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 25, pl. 5, figs. 18, 19
Yorktown, York Co., Va. Yorktown fm., upper Miocene
- 1446 *Arca (Noetia) incile* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 25, pl. 5, figs. 20, 21
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 1447 *Arca (Noetia) incile* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 25, pl. 5, fig. 22
Yorktown, York Co., Va. Yorktown fm., upper Miocene
- 1448 *Arca (Noetia) incile* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 25, pl. 5, figs. 23-25
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 1515 *Arca (Scapharca) incongrua* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 59, pl. 14, fig. 7
Florida Recent
- 812 *Arca (Scapharca) incongrua* Say Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 66, pl. 7, fig. 6
Georgetown, Georgetown Co., S. C. Post-Pleistocene
- 1512 *Arca (Scapharca) initiator* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 56, pl. 13, figs. 7, 8
Sour Lake, Hardin Co., Tex. Oligocene
- 1513 *Arca (Scapharca) initiator* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 56, pl. 13, fig. 9
Sour Lake, Hardin Co., Tex. Oligocene
- 2160 *Arca (Senilia) larkinii* Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 75, pl. 2, figs. 1, 4
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2163 *Arca (Senilia) larkinii* Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 75, pl. 2, fig. 5
Quebrada Tucillal, Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene

- 1466 *Arca (Scapharca) latidentata* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 33, pl. 7, figs. 17, 18
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1467 *Arca (Scapharca) latidentata* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 33, pl. 7, fig. 19
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1468 *Arca (Scapharca) latidentata* Dall Hypotype
Sheldno, P. A., v. 1, No. 1, 1917, p. 33, pl. 7, fig. 20
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1449 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 5, fig. 26
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1450 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 6, fig. 1
Waccamaw, Horry Co., S. C. Waccamaw fm., lower
Pliocene
- 1451 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 6, fig. 2
Waccamaw, Horry Co., S. C. Waccamaw fm., lower
Pliocene
- 1452 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 6, fig. 3
Croatan about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1453 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 6, fig. 4
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1454 *Arca (Noetia) limula* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 26, pl. 6, fig. 5
Currie, [within 10 mi., H. G. Richards, 1958] Pender Co., N. C.
Duplin fm., upper Miocene
- 1554 *Arca lithodomus* (Sowerby) Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 7, pl. 1, figs. 1, 3
Búcaro*, Los Santos Prov., Pan. Recent
- 1462 *Arca (Scapharca) lesueuri* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 32, pl. 7, figs. 12, 13
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1463 *Arca (Scapharca) lesueuri* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 32, pl. 7, fig. 14
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene

- 1464 **Arca (Scapharca) lesueurii** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 32, pl. 7, fig. 15
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1465 **Arca (Scapharca) lesueurii** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 32, pl. 7, fig. 16
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1471 **Arca (Scapharca) lienosa** Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 35, pl. 7, fig. 26
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 1472 **Arca (Scapharca) lienosa** Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 35, pl. 7, figs. 27, 28
Duplin Co., N. C. Duplin fm., upper Miocene
- 21901 **Arca (Scapharca) lienosa** Say Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 13, pl. 6, fig. 6
Coast near La Vela, Dist. of Colina, St. of Falcón, Ven.
Recent
- 21215 **Arca (Scapharca) lloydi** Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 10
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21216 **Arca (Scapharca) lloydi** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 11
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21217 **Arca (Scapharca) lloydi** Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 12
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21223 **Arca (Noetia) macdonaldi** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 194, pl. 25, figs. 4, 5
Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
See *Noetia macdonaldi alta* MacNeil = holotype
- 21224 **Arca (Noetia) macdonaldi subreversa** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 194, pl. 25, fig. 6
Río Betey, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21225 **Arca (Noetia) macdonaldi subreversa** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 194, pl. 25, fig. 7
Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 790 **Arca (Noetia) manzanillae** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 41, pl. 8, fig. 19

N. of Manzanilla Point, SE. Manzanilla Ward, central St.
 Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
 See *Noetia manzanillae* (Maury)

- 827 *Arca* (*Noetia*) *manzanillae* Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 41, pl. 8, fig. 13
 N. of Manzanilla Point, SE. Manzanilla Ward, central St.
 Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
 See *Noetia manzanilla* (Maury)
- 1428 *Arca* (*Barbatia*) *marylandica* (Conrad) Hypotype
 Sheldon, P. A., v. 1, No. 1, 1917, p. 14, pl. 3, fig. 5
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 1429 *Arca* (*Barbatia*) *marylandica* (Conrad) Hypotype
 Sheldon, P. A., v. 1, No. 1, 1917, p. 14, pl. 3, fig. 6
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 1430 *Arca* (*Barbatia*) *marylandica* (Conrad) Hypotype
 Sheldon, P. A., v. 1, No. 1, 1917, p. 14, pl. 3, fig. 7
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 21191 *Arca* (*Barbatia*) *mauryae* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 182, pl. 22, figs. 4, 7
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 791 *Arca* (*Noetia*) *mayensis* Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 40, pl. 5, fig. 2
 Near junc. of Mayo and Couva main rd., W. central Mont-
 serrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso
 fm., Miocene
 See *Noetia mayensis* (Maury)
- 1938 *Arca* (*Scapharca*) *meroensis* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 39, pl. 2, fig. 2
 Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 1939 *Arca* (*Scapharca*) *meroensis* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 39, pl. 2, fig. 3
 Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 1941 *Arca* (*Scapharca*) *meroensis* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 39, pl. 2, fig. 5
 Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 1942 *Arca* (*Scapharca*) *meroensis* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 39, pl. 2, fig. 6
 Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 817 *Arca* (*Barbatia*) *millifolia latrinidadis* Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 44, pl. 8, fig. 3

Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene

- 21894 *Arca* (*Scapharca*) *mirandana* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 11, pl. 5, fig. 12
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21895 *Arca* (*Scapharca*) *mirandana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 11, pl. 5, fig. 13
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 1426 *Arca* (*Barbatia*) *mississippiensis* (Conrad) Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 14, pl. 3, figs. 1-3
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1427 *Arca* (*Barbatia*) *mississippiensis* (Conrad) Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 14, pl. 3, fig. 4
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 793 *Arca* (*Noetia*) *mundonuevensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 36, pl. 5, fig. 5
Near junc. of Mayo and Couva main rd., W. central Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso
fm., Miocene
See *Noetia mundonuevensis* (Maury) = lectotype
- 795 *Arca* (*Noetia*) *mundonuevensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 36, pl. 5, fig. 7
Near junc. of Mayo and Couva rd., W. central Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
See *Noetia mundonuevensis* (Maury) = paratype
- 1843 *Arca* (*Anadara*) cf. *nigeriensis* Newton Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 11,
pl. 2, figs. 5, 6
About 5 km. N. of mouth of Luculo R., and S. of Cabeça de
Cobra at Quipaya, Angola (loc. S 4) Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]
- 1844 *Arca* (*Anadara*) cf. *nigeriensis* Newton Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 11
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1565 *Arca* (*Scapharca*) *nux* Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 34, pl. 3, fig. 7
Búcaro,* Los Santos Prov., Pan. Recent
- 1566 *Arca* (*Scapharca*) *nux* Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 34, pl. 3, fig. 8
Búcaro,* Los Santos Prov., Pan. Recent

- 1563 *Arca (Scapharca) obesa* Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 27, pl. 3, fig. 4
Búcaro,* Los Santos Prov., Pan. Recent
- 1564 *Arca (Scapharca) obesa* Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 27, pl. 3, fig. 5
Búcaro,* Los Santos Prov., Pan. Recent
- 769 *Arca occidentalis* Philippi Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 34, pl. 1, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 770 *Arca occidentalis* Philippi Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 34, pl. 1, fig. 2
San Souci Bay, N. Toco Ward, St. David Co., Trinidad, W. I.
Recent
- 21188 *Arca occidentalis* Philippi Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 181, pl. 22, fig. 1
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1555 *Arca (Noetia) olssoni* Sheldon and Maury Holotype
Maury, P. A., v. 1, No. 4, 1922, p. 10, pl. 1, figs. 6, 9
Búcaro,* Los Santos Prov., Pan. Recent
See *Eontia olssoni* (Sheldon and Maury)
- 789 *Arca (Scapharca) oropuchensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 63, pl. 4, fig. 6
NE. coast, ½ mi. S. of mouth of Oropuche R., E. Manzanilla
Ward, central St. Andrew Co., Trinidad, W. I. upper
Miocene
- 1420 *Arca paratina* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 7, pl. 1, figs. 5-7
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 777 *Arca (Scapharca) patricia* Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 57, pl. 2, fig. 5
Near Todd's R. R. station, SE. Chaguanas Ward, central
Caroni Co., Trinidad, W. I. uppermost Miocene
- Arca (Scapharca) patricia waringi* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 58, pl. 3, fig. 2 (lost prior
to 1937)
Headland N. of Manzanilla Point, SE. Manzanilla Ward, central
St. Andrew Co., Trinidad, W. I. upper Miocene
- 782 *Arca (Scapharca) patricia waringi* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 58, pl. 3, fig. 5
Headland N. of Manzanilla Point, E. Manzanilla Ward, central
St. Andrew Co., Trinidad, W. I. upper Miocene
- 806 *Arca (Barbatia) perinopinata* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 46, pl. 6, fig. 12
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park

sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene

- 21207 *Area (Scapharca) pittieri* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 2
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21208 *Area (Scapharca) pittieri* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 3
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21209 *Area (Scapharca) pittieri* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 4
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21210 *Area (Scapharca) pittieri* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 5
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21211 *Area (Scapharca) pittieri* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 192, pl. 24, fig. 6
Hill 1, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 829 *Area (Scapharca) pittieri narivana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 73, pl. 8, fig. 15
Near Tabaquite oil field, 8½ mi. on Tabaquite rd, SE. of
Tabaquite, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
lower Miocene
- 831 *Area (Scapharca) pittieri narivana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 73, pl. 8, figs. 17, 20
Brasso junc. quarry, ½ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- Area (Scapharca) pittieri narivana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 73, pl. 8, fig. 20 (lost prior
to 1937)
One-half mi. above Brasso station, Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 1498 *Area (Scapharca) plicatura* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 45, pl. 10, fig. 19
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1499 *Area (Scapharca) plicatura* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 45, pl. 10, fig. 20
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 816 *Area (Scapharca) pointnoirensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 61, pl. 8, fig. 2

N. 600 ft. of Pointe Noir, about 3 mi. N. of Manzanilla, E. Manzanilla Ward, St. Andrew Co., Trinidad, W. I.
equivalent Springvale fm., upper Miocene

- 1455 *Arca* (*Noetia*) *ponderosa* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 28, pl. 6, fig. 9
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 1456 *Arca* (*Noetia*) *ponderosa* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 28, pl. 6, fig. 10
New Orleans, Orleans Par., la. Pleistocene
- 775 *Arca* (*Scapharca*) *promentoriana* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 61, pl. 2, fig. 3
N., 600 ft. of Point Noire, about 3 mi. N. of Manzanilla, E. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
"Pointe Noire" fm., equivalent to Springvale fm., upper Miocene
- 1937 *Arca* (*Argina*) *puntabravoensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 38, pl. 2, fig. 1
Caleta Sal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
See *Arginella puntabravoensis* (Olsson)
- 1940 *Arca* (*Argina*) *puntabravoensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 38, pl. 2, fig. 4
Caleta Sal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 1561 *Arca* (*Barbatia*) *reeveana lasperiensis* Sheldon and Maury Holotype
Maury, P. A., v. 1, No. 4, 1922, p. 15, pl. 2, fig. 17
Viveros Island, Islas de las Perlas, Panama Bay
Recent
- 1559 *Arca* (*Barbatia*) *reeveana velataformis* Sheldon and Maury Holotype
Maury, P. A., v. 1, No. 4, 1922, p. 15, pl. 2, fig. 15
Búcaro*, Los Santos Prov., Pan. Recent
- 569 *Arca* (*Acar*) *reticulata* Gmelin Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 55, pl. 22, fig. 18
Newton, Newton Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 570 *Arca* (*Acar*) *reticulata* Gmelin Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 55, pl. 22, fig. 19
Newton, Newton Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 825 *Arca* (*Barbatia*) *reticulata* Gmelin Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 43, pl. 8, fig. 18
Venezuela Recent
- 832 *Arca* (*Barbatia*) *reticulata* Gmelin Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 43, pl. 8, fig. 21

Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene

- 1438 *Arca (Barbatia) reticulata* Gmelin Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 20, pl. 4, fig. 8
Panama Recent
- 1439 *Arca (Barbatia) reticulata* Gmelin Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 20, pl. 4, fig. 9 (both valves)
Panama Recent
- 2176 *Arca (Noetia) retractata* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 76, pl. 4, fig. 2
Zorritos, Dept. of Tumbes, Peru upper Zorritos fm.,
lower Miocene
- 2182 *Arca (Noetia) retractata* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 76, pl. 4, fig. 8
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
See *Noetia stewarti* MacNeil, holotype
- 1556 *Arca (Noetia) reversa* (Gray) Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 9, pl. 1, fig. 7
Mouth of Río Chepo, E. Panama Prov., Pan. Recent
- 1557 *Arca (Noetia) reversa* (Gray) Sowerby Hypotype
Maury, P. A., v. 1, No. 4, 1922, p. 9, pl. 1, fig. 11
Río Chepo, E. Panama Prov., Pan. Recent
- 2168 *Arca (Noetia) reversa* Sowerby "subsp" Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 77, pl. 3, fig. 1
Quebrada Tucillal, Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 548 *Arca rhomboidella* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 549 *Arca rhomboidella* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 550 *Arca rhomboidella* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 14
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 553 *Arca rhomboidella* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 13; pl. 22
fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1459 *Arca (Scapharca) rhomboidella* Lea Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 30, pl. 7, fig. 6

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1460 *Arca (Scapharca) rhomboidella* Lea Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 30, pl. 7, figs. 9, 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24467 *Arca cf. rhomboidella* Lea Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 14, pl. 6, fig. 8
Old Camp Quarry, Florida Lime Products Co., about 2.2 mi.
from Ocala, Marion Co., Fla. "Ocala ls.", Jackson gr.,
upper Eocene
- 554 *Arca rhomboidella parsaba* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 52, pl. 22, fig. 2
Sabine R., Sabine Co., Tex. [See Veatch Survey, 1902, p. 129]
Claiborne gr., middle Eocene
- 555 *Arca rhomboidella parsaba* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 52, pl. 22, fig. 3
Sabine R., Sabine Co., Tex. [See Veatch Survey, 1902, p. 129]
Claiborne gr., middle Eocene
- 556 *Arca rhomboidella parsaba* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 52, pl. 22, fig. 4
Sabine R., Sabine Co., Tex. [See Veatch Survey, 1902, p. 129]
Claiborne gr., middle Eocene
- 551 *Arca rhomboidella subscopula* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 52, pl. 21, fig. 15
Lisbon Bluff, Monroe Co., Ala. Cook Mt. fm. [upper
Lisbon fm.], upper Claiborne gr., middle Eocene
- 552 *Arca rhomboidella subscopula* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 52, pl. 21, figs. 16, 17
Lisbon Bluff, Monroe Co., Ala. Cook Mt. fm. [upper
Lisbon fm.], upper Claiborne gr., middle Eocene
- 1510 *Arca (Scapharca) rustica* Tuomey and Holmes Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 55, pl. 13, fig. 4
Shell Creek, Charlotte Co., Fla. Caloosahatchee fm.,
upper Pliocene
- 1511 *Arca (Scapharca) rustica* Tuomey and Holmes Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 55, pl. 13, fig. 5
Shell Creek, Charlotte Co., Fla. Caloosahatchee fm.,
upper Pliocene
- 21886 *Arca (Scapharca) saladilloensis* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 8, pl. 5, figs. 1, 3
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulía, Ven. upper Oligocene
- 3841 *Arca (Barbatia) saladoensis* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 4, pl. 1, fig. 1
Quebrada Salado, 10 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene

- 3842 *Arca (Barbatia) saladoensis* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 4, pl. 1, fig. 2
Quebrada Salado, 10 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3843 *Arca (Barbatia) saladoensis* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 4, pl. 1, fig. 3
Quebrada Salado, 10 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3844 *Arca (Diluvarca) samanensis* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 5, pl. 1, fig. 4
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3845 *Arca (Diluvarca) samanensis* Olsson Holotype
Olsson, B.A. P., v. 15, No. 57, 1929, p. 5, pl. 1, fig. 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 794 *Arca (Scapharca) sanctiandreae†* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 67, pl. 5, fig. 6
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 800 *Arca (Scapharca) sanctiblasii†* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 71, pl. 6, fig. 4
St. Blaise Ravine, Trinity Hill Reserve, W. Trinity Ward, SW.
Mayaro Co., Trinidad, W. I. About Manzanilla Miocene
- 823 *Arca (Scapharca) sanctiblasii†* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 71, pl. 8, fig. 9
St. Blaise Ravine, Trinity Hill Reserve, W. Trinity Ward, SW.
Mayaro Co., Trinidad, W. I. Miocene
- 1477 *Arca (Scapharca) santarosana* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 38, pl. 9, figs. 1, 2
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1478 *Arca (Scapharca) santarosana* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 38, pl. 9, fig. 3
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1514 *Arca (Scapharca) scalaris* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 57, pl. 13, fig. 11
North Carolina Miocene
- 2175 *Arca (Diluvarca) sechurana* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 67, pl. 4, fig. 1
Punta Picos, Dept. of Tumbes, Peru upper Zorritos
fm., lower Miocene
- 772 *Arca (Scapharca) secticostata* Reeve Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 47, pl. 1, fig. 4
Between Mosquito Creek and Ally, W. Naparima Ward, W.
Victoria Co., Trinidad, W. I. Recent

- 1473 **Arca (Scapharca) septicostata** Reeve Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 36, pl. 8, fig. 5
Florida Recent
- 59 **Arca** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 50, pl. 3, fig. 9
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 60 **Arca** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 50, pl. 3, fig. 9a
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 61 **Arca** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 50, pl. 3, fig. 8
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 25010 **Arca (Anadara)** sp. Unfigured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 42
Sea cliff, 20 km. N. of Benguela Velha (=Port Amboin), Angola
Miocene
- 20128 **Arca** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No.
4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St.
of Zulia, Ven. Las Flores fm., upper Eocene
- 2161 **Arca (Diluvarea) spiekeri** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 65, pl. 2, fig. 2
Quebrada La Cruz, Dept. of Tumbes, Peru lower
Zorritos fm., lower Miocene
- 2162 **Arca (Diluvarea) spiekeri** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 65, pl. 2, fig. 3
Quebrada La Cruz, Dept. of Tumbes, Peru lower
Zorritos fm., lower Miocene
- 2164 **Arca (Diluvarea) spiekeri** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 65, pl. 2, fig. 6
Quebrada La Cruz, Dept. of Tumbes, Peru lower
Zorritos fm., lower Miocene
- 1479 **Arca (Scapharca) staminata** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, fig. 5
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
lower bed (Chipola fm.), Alum Bluff gr., lower Miocene
- 1480 **Arca (Scapharca) staminata** Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, fig. 6
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1481 **Arca (Scapharca) staminea** Say Hypotype
Sheldon, P.A., v. 1, No. 1, 1917, p. 39, pl. 9, fig. 7
Choptank R., Md. Choptank fm., lower middle Miocene
- 1482 **Arca (Scapharca) staminea** Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, figs. 9, 10
Choptank R., Md., Choptank fm., lower middle Miocene

- 1483 *Arca (Scapharca) staminea* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, figs. 11, 12
Governor's Run, Calvert Co., Md. Choptank fm., lower
middle Miocene
- 1484 *Arca (Scapharca) staminea* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, fig. 13
Choptank R., Md. Choptank fm., lower middle Miocene
- 1487 *Arca (Scapharca) staminea* Say Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 39, pl. 9, fig. 8
Choptank R., Md. Choptank fm., lower middle Miocene
- 1501 *Arca (Scapharca) subrostrata* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 51, pl. 12, figs. 1, 2
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 1502 *Arca (Scapharca) subrostrata* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 51, pl. 12, fig. 3
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 1503 *Arca (Scapharca) subrostrata* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 51, pl. 12, fig. 4
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 1500 *Arca (Scapharca) subsinuata* Conrad Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 46, pl. 10, fig. 22
Croatan, about 10 mi. below New Bern, Craven Co., N. C.
Croatan beds, middle Pliocene
- 828 *Arca (Scapharca) tabaquita* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 72, pl. 8, fig. 14
At 8½ mi. post on Tabaquite rd., near Tabaquite oil field, SE. of
Tabaquite, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
lower Miocene
- 808 *Arca (Scapharca) tabaquita molesta* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 72, pl. 7, fig. 2
Near Tabaquite oil field, 8½ mi. on Tabaquite rd., SE. of
Tabaquite, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
lower Miocene
- 1443 *Arca (Barbatia) taeniata* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 23, pl. 5, fig. 6
Shell Cr., Charlotte Co., Fla. Caloosahatchee fm., upper
Pliocene
- 1444 *Arca (Barbatia) taeniata* Dall Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 23, pl. 5, fig. 7
Shell Cr., Charlotte Co., Fla. Caloosahatchee fm., upper
Pliocene
- 21892 *Arca (Scapharca) tamarana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 14, pl. 5, fig. 10
Headwaters of Río Tamare, 8 km. SW. of Quiroz*, Dist. of
Bolívar, St. of Zulia, Ven. Miocene

- 21893 *Arca (Scapharca) tamarana* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 14, pl. 5, fig. 11
E. of Quebrada la Mesa and N. of Río Tamare, 8 km. SW. of
Quiroz*, Dist. of Bolívar, St. of Zulía, Ven. Miocene
- 810 *Arca (Scapharca) tectumcolumbae†* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 52, pl. 7, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- Arca tectumcolumbae†* Maury "var." Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
109, pl. 20, figs. 1, 2, (lost prior to 1937)
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 2165 *Arca (Diluvareca) thalia* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 69, pl. 2, fig. 7
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 2166 *Arca (Diluvareca) thalia* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 69, pl. 2, fig. 8
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 2167 *Arca (Diluvareca) thalia* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 69, pl. 2, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 771 *Arca (Scapharca) thauma* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 62, pl. 1, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21903 *Arca (Scapharca) tirantensis* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 11, pl. 7, figs. 2, 3
Cerro de los Tirantes, N. of Guariro, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Miocene
- 25323 *Arca transversa* Say Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 6
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 21415 *Arca transversa busana* Harris Holotype
Harris, B. A. P., v. 1, No. 3, 1895, p. 6
Galveston Deep Well (1891-1892), surface to 2920 ft. depth,
Galveston Co., Tex. Miocene

- 799 *Arca (Scapharca) transversa sanctidavidis*† Maury Holotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 64, pl. 6, fig. 3
Matura, E. Matura Ward, SE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 778 *Arca (Noetia) trinitaria* Guppy Hypotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 35, pl. 3, fig. 1
Manzanilla Point, SE. Manzanilla Ward, central St. Andrew
Co., Trinidad, W. I. Manzanilla fm., Miocene
- 780 *Arca (Noetia) trinitaria* Guppy Hypotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 35, pl. 3, fig. 3
Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 781 *Arca (Noetia) trinitaria* Guppy Hypotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 35, pl. 3, fig. 4
Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- Arca trinitaria* Guppy Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
110, pl. 20, fig. 7 (lost prior to 1937)
Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Miocene
- 783 *Arca umbonata* Lamarck Hypotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 35, pl. 3, fig. 6
W. Atlantic Ocean Recent
- 818 *Arca umbonata* Lamarck Hypotype
Maury, B. A. P., v. 10, No. 42, 1925, p. 35, pl. 8, fig. 4
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 1421 *Arca umbonata* Lamarck Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 8, pl. 1, fig. 12
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1422 *Arca umbonata* Lamarck Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 8, pl. 1, figs. 16, 17
São Paulo, Brazil Recent
- 21189 *Arca umbonata* Lamarck Hypotype
Olsson, B. A. P., v. 9, No. 39, 1922, p. 182, pl. 22, fig. 2
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 24590 *Arca umbonata* Lamarck Representative specimen
Perry and Schwengel, 1955, p. 35, pl. 2, fig. 10
Dredging off Sanibel, Lee Co., Fla. Recent
- 21869 *Arca umbonata paezensis* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B. A. P., v. 13, No. 49,
1927, p. 3, pl. 1, fig. 7
Harbor of Castilletes, Dist. of Paez, St. of Zulia, Ven.
Quaternary

- 557 *Arca vaughani* Casey Hypotype
Harris, B. A. P., v. 6, No. 31, 1919, p. 53, pl. 22, fig. 5
St. Maurice, Winn Par., La. or Sabine R., Sabine Co., Tex.
Claiborne gr., middle Eocene
- 558 *Arca vaughani* Casey Hypotype
Harris, B. A. P., v. 6, No. 31, 1919, p. 53, pl. 22, fig. 6
St. Maurice, Winn Par., La. or Sabine R., Sabine Co., Tex.
Claiborne gr., middle Eocene
- 559 *Arca vaughani* Casey Hypotype
Harris, B. A. P., v. 6, No. 31, 1919, p. 53, pl. 22, fig. 7
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 1461 *Arca (Scapharca) vaughani* Casey Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 31, pl. 7, fig. 11
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 1841 *Arca (Noetia) veatchi* Caster Holotype
Caster, Comun. Serviços de Portugal, v. 20, 1938, p. 12, pl. 2,
figs. 1, 2
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
at Quipaya, Angola (loc. S4) Quimbriz fm., Eocene
[Miocene, Darteville and Roger, 1954]
See *Arca (Noetia) veatchites* Caster, 1939, new name
- 1842 *Arca (Noetia) veatchi* Caster Paratype
Caster, Comun. Serviços de Portugal, v. 20, 1938, p. 12, pl. 2,
figs. 3, 4
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
[Miocene, Darteville and Roger, 1954]
- 21200 *Arca (Scapharca) veatchi* Olsson Syntype
Olsson, B. A. P., v. 9, No. 39, 1922, p. 189, pl. 23, figs. 1, 2
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., mid-
dle Miocene
- 21201 *Arca (Scapharca) veatchi* Olsson Syntype
Olsson, B. A. P., v. 9, No. 39, 1922, p. 189, pl. 23, fig. 3
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., mid-
dle Miocene
- 21876 *Arca veatchi matarucana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B. A. P., v. 13, No. 49,
1927, p. 10, pl. 3, figs. 4, 5
N. coast of La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- Arca (Noetia) veatchites* Caster
Caster, Jour. Pal., v. 13, No. 3, 1939, p. 354 new name for *Arca*
(*Noetia*) *veatchi* Caster, Comun. Serviços Geol. Portugal, v. 20,
1938, p. 12 not *Arca veatchi* Olsson, B. A. P., v. 9, No. 39, 1922,
p. 189
- 1433 *Arca (Barbatia) virginiae* Wagner Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 19, pl. 4, fig. 2

- Claremont Wharf, James R., Surry Co., Va. lower Yorktown fm., upper Miocene
- 1434 *Arca (Barbatia) virginiae* Wagner Hypotype
Sheldon, P. A., v. 1, No. 1, 1917, p. 19, pl. 4, figs. 3, 4
Claremont Wharf, James R., Surry Co., Va. lower Yorktown fm., upper Miocene
- 21887 *Arca (Scapharca) vueltana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B. A. P., v. 13, No. 49, 1927, p. 9, pl. 5, figs. 2, 4
Chiparita Traverse on Buena Vista structure at La Vela, Dist. of Colina, St. of Falcón, Ven. "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21889 *Arca (Scapharca) vueltana* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B. A. P., v. 13, No. 49, 1927, p. 9, pl. 5, fig. 6
N. about 2.5 km. and E. 500 m. from Urumaco, Dist. of Democracia, St. of Falcón, Ven. Miocene
- 21888 *Arca vueltana falconensis* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B. A. P., v. 13, No. 49, 1927, p. 9, pl. 5, figs. 5, 9
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. Miocene
- 21890 *Arca vueltana falconensis* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 9, pl. 5, fig. 7
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. Miocene
- 21880 *Arca (Scapharca) weeksi* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 5, pl. 4, fig. 4
E. of Quebrada La Mesa and N. of Río Tamare, 8 km. SW. of Quiroz,* Dist. of Bolívar, St. of Zulia, Ven. upper Oligocene
- 21882 *Arca (Scapharca) weeksi* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 5, pl. 4, fig. 6
E. of Quebrada La Mesa and N. of Río Tamare, 8 km. SW. of Quiroz,* Dist. of Bolívar, St. of Zulia, Ven. upper Oligocene
- 21866 *Arca (Scapharca) wiedenmayeri* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 3, pl. 1, figs. 2, 6
Between Aviagua and Los Tirantes, SE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene
- 24589 *Arca zebra* Swainson Representative specimen
Perry and Schwengel, 1955, p. 34, pl. 2, fig. 9a
Sanibel, Lee Co., Fla. Recent
- 2177 *Arca (Diluvarca) zorritensis* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 70, pl. 4, fig. 3

Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene

- 2179 **Area (Diluvarea) zorritensis** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 70, pl. 4, fig. 5
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2185 **Area (Diluvarea) zorritensis** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 70, pl. 4, fig. 11
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 21883 **Area (Scapharca) zuliana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 4, pl. 4, figs. 7, 10
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21884 **Area (Scapharca) zuliana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
p. 4, pl. 4, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21885 **Area (Scapharca) zuliana maracaibensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 5, pl. 4, figs. 9, 11
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 5301 **?Archinacella incerta** Caster Holotype
See ?*Anomia incerta* Caster
- 2854 **Architectonica acuta** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, fig. 12
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. ¼
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
Renamed *Architectonica meekana splendida* Palmer
- 2855 **Architectonica acuta** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, fig. 14
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
Renamed *Architectonica meekana splendida* Palmer
- 2856 **Architectonica acuta** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, figs. 15-17
Sabine R., Outcrop 21, Tex. side opposite SW. corner of SE. ¼
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
Renamed *Architectonica meekana splendida* Palmer
- 4558 **Architectonica (Solariaxis) acuta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 275,
pl. 33, fig. 10

- Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4559 **Architectonica (Solariaxis) acuta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 275,
pl. 33, fig. 11
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4560 **Architectonica (Solariaxis) acuta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 275,
pl. 33, figs. 14, 18
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4561 **Architectonica (Solariaxis) acuta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 275,
pl. 33, fig. 15
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4562 **Architectonica (Solariaxis) acuta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 275,
pl. 33, figs. 17, 19
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2853 **Architectonica acuta meekana** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 168, pl. 20, figs. 9, 11, 13
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2837 **Architectonica aldrichi** (Dall) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 169, pl. 18, figs. 1, 2, 6
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2845 **Architectonica alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, figs. 8, 9, 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2846 **Architectonica alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, fig. 10
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2847 **Architectonica alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2848 **Architectonica alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2849 **Architectonica alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, figs. 14, 17, 18

Smithville, Bastrop Co., Tex.
 Claiborne gr., middle Eocene

Weches fm., middle Clai-
 borne

- 2850 **Architectonica alveata** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, fig. 15
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2851 **Architectonica alveata** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 173, pl. 19, fig. 16
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 4550 **Architectonica (Stellaxis) alveata** (Conrad) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 276,
 pl. 32, fig. 11
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4551 **Architectonica (Stellaxis) alveata** (Conrad) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 276,
 pl. 32, figs. 9, 10
 Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2834 **Architectonica amoena** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 161, pl. 17, figs. 15, 19, 20
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2835 **Architectonica amoena** (Conrad) Hypotype
 Palmer, B. A. P., v. 7, No. 32, 1937, p. 161, pl. 17, figs. 18, 22, 23
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene
- 2833 **Architectonica bellistriata** Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 158, pl. 17, figs. 10, 11, 14
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 4548 **Architectonica bellistriata** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 268,
 pl. 32, fig. 16
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4549 **Architectonica bellistriata** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 268,
 pl. 32, figs. 17-19
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 3612 **Architectonica chiraensis** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 57, pl. 12, fig. 13
 Near Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 3613 **Architectonica chiraensis** Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 57, pl. 12, fig. 14

Near Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Chira fm., lower Oligocene

- 2839 *Architectonica elaborata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 164, pl. 18, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2840 *Architectonica elaborata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 164, pl. 18, figs. 14, 17, 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2841 *Architectonica elaborata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 164, pl. 18, figs. 15, 16, 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Architectonica (Granosolarium) ornata* (Lea)
- 2836 *Architectonica fungina* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 162, pl. 17, figs. 17, 21, 24
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1068 *Architectonica granulata* (Lamarek) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 236, pl. 40, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21094 *Architectonica granulata* (Lamarek) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 154, pl. 13, figs. 10-12
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22857 *Architectonica granulata* (Lamarek) Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 66, pl. 36, fig. 7
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. middle Miocene
- 22990 *Architectonica granulata* (Lamarek) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 27, pl. 9, fig. 15
Usiacuri, Dept. of Atlantico, Col. middle Eocene
- 3608 *Architectonica jabonillensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 6
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3609 *Architectonica jabonillensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 7
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3610 *Architectonica jabonillensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 8
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene

- 3611 ***Architectonica jaborillensis*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 9
Jaborillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 2832 ***Architectonica johnsoni*** (Dall) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 158, pl. 17, figs. 2, 8, 12
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 2852 ***Architectonica leana*** (Dall) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 170, pl. 20, figs. 2, 3, 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2854 ***Architectonica meekana splendida*** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, fig. 12
(*meekiana* is incorrect spelling); Palmer, B.A.P., v. 28, No. 112,
1944, p. 14
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. ¼ Sec.
35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p.
129) Stone City beds, middle Claiborne gr., middle
Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
See *Architectonica acuta* Conrad
- 2855 ***Architectonica meekana splendida*** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, fig. 14;
(*meekiana* is incorrect spelling); Palmer, B.A.P., v. 28, No. 112,
1944, p. 14
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
See *Architectonica acuta* Conrad
- 2856 ***Architectonica meekana splendida*** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 167, pl. 20, figs. 15-17;
(*meekiana* is incorrect spelling); Palmer, B.A.P., v. 28, No. 112,
1944, p. 14
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. ¼
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
See *Architectonica acuta* Conrad
- 4555 ***Architectonica (Granosolarium) meekana subsplendida*** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 271,
pl. 33, figs. 1, 6, 7
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4556 ***Architectonica (Granosolarium) meekana subsplendida*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 271,
pl. 33, fig. 5
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene

- 4557 *Architectonica (Granosolarium) meekana subsplendida* Palmer
Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 271,
pl. 33, fig. 8
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 3605 *Architectonica nelsoni* Woods Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 3
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3606 *Architectonica nelsoni* Woods Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 4
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3607 *Architectonica nelsoni* Woods Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 56, pl. 12, fig. 5
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 20123 *Architectonica nelsoni* Woods Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
Approx. 1570 m. S. 44° E. of well Sibucara No. 4, Cojoro
structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia,
Ven. Las Flores fm., upper Eocene
- 20442 *Architectonica aff. nobilis* Roeding Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 92, pl. 7, fig. 3
Near Las Masas, Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 2841 *Architectonica (Granosolarium) ornata* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 164, pl. 18, figs. 15, 16, 19;
Palmer, B.A.P., v. 28, No. 112, 1944, p. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Architectonica elaborata* (Conrad) in part
- 4554 *Architectonica (Granosolarium) ornata* (Lea) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 271,
pl. 33, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4552 *Architectonica (Granosolarium) ornata jacksonia* Palmer
Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 270,
pl. 33, figs. 2-4
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4553 *Architectonica (Granosolarium) ornata jacksonia* Palmer
Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 270,
pl. 33, fig. 13
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 2842 *Architectonica scrobiculata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 171, pl. 19, figs. 1, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2843 *Architectonica scrobiculata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 171, pl. 19, figs. 2, 3
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2844 *Architectonica scrobiculata hickoria* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 172, pl. 19, figs. 5-7
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2314 *Architectonica sexlinearis corusca* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 214, pl. 21, figs. 5, 8, 9
Río Betey, Prov. of Limon, C. R. Miocene
- 20443 *Architectonica sexlinearis haughti* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 93, pl. 6, figs. 2, 6
Near Jerusalén, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20444 *Architectonica sexlinearis haughti* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 93
N. of Paján, Daule Basin, Guayas Prov., SW. Ecua.
Daule fm., middle Miocene
- 3603 *Architectonica sullana* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 55, pl. 12, fig. 1
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3604 *Architectonica sullana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 55, pl. 12, fig. 2
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 4456 *Architectonica (Granosolarium) texcarolina* Palmer Paratype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 15, pl. 1, fig. 8
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene (Stenzel, 1939,
p. 854)
- 4457 *Architectonica (Granosolarium) texcarolina* Palmer Holotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 15, pl. 1, figs. 9-11
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 4547 *Architectonica trilirata* (Conrad) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 269,
pl. 32, figs. 4-6
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 2838 *Architectonica vespertina* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 168, pl. 18, figs. 4, 5

- Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129) Stone City beds, middle Claiborne gr., middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 24592 *Arcopsis adamsi conradiana* (Dall) Representative specimen
Perry and Schwengel, 1955, p. 37, pl. 3, fig. 12
Sand Key, Pinellas Co., Fla. Recent
- 3413 *Arcoscalpellum subquadratum* (Meyer and Aldrich) Hypotype
Withers, Cat. Fossil Cirripedia, v. 3, Tertiary, British Mus. Nat. Hist., 1953, p. 209, pl. 27, figs. 1a, b
Three mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 25183 *Arenobulimina cuskleyae* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 13
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 25182 *Arenobulimina malkinae* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 13
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 1937 *Arginella puntabravoensis* (Olsson) Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 38, pl. 2, fig. 1; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 29, pl. 4, fig. 14 (not holotype as stated by MacNeil in expl. of pl.)
Caleta Sal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
See *Arca (Argina) puntabravoensis* Olsson
- 3849 *Argyrotheca berryi* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 34, pl. 1, fig. 9
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 3850 *Argyrotheca berryi* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 34, pl. 1, fig. 10
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 3851 *Argyrotheca berryi* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 34, pl. 1, fig. 11
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 24933 *Argyrotheca wegemanni* Cole Syntypes
Cole, B.A.P., v. 15, No. 57a, 1929, p. 3, pl. 1, figs. 1, 2, 9, 10
Between km. posts 17 and 18 on the Aguila Petroleum Co.
narrow-gauge R. R. between Potrero and Tanhuijo, St. of Vera
Cruz, Mex. Meson fm., middle Oligocene
- 24934 *Argyrotheca wegemanni* Cole Syntypes
Cole, B.A.P., v. 15, No. 57a, 1929, p. 3, pl. 1, figs. 11-13
Between km. posts 17 and 18 on the Aguila Petroleum Co.
narrow-gauge R. R. between Potrero and Tanhuijo, St. of Vera
Cruz, Mex. Meson fm., middle Oligocene

- 24134 **Asaphis (Asaphinoides) cantaurana** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 8,
 pl. 5, fig. 1; pl. 6, figs. 1, 2
 Cantaure,* Cocodite* area, Paraguaná Pen., Dist. of Falcón, St.
 of Falcón, Ven. lower Miocene
 Type species of *Asaphinoides* F. Hodson, 1931
- 22932 **Asaphis delicatus** Weisbord Syntype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 25, pl. 5, fig. 4 (missing
 prior to 1956)
 N. of Urumaco, Dist. of Democracia, Ven. middle
 Miocene
- 22933 **Asaphis delicatus** Weisbord Syntype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 25, pl. 5, fig. 5
 Near Usiacuri, Dept. of Atlantico, Col. middle Miocene
- 5074 **Asaphus ?canalis** Conrad Hypotype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 16, pl. 16, fig. 7
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5075 **Asaphus ?canalis** Conrad Hypotype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 16, pl. 16, fig. 8
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5072 **Asaphus ?convexus** Cleland Holotype
 Cleland, B.A. P., v. 3, No. 13, 1900, p. 16, pl. 16, fig. 4
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 20105 **Asolene guatalensis** Palmer Paratype
 Palmer, B.A.P., v. 31, No. 118, 1945, p. 23, pl. 3, fig. 5
 E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
 Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
 cene
- 20106 **Asolene guatalensis** Palmer Holotype
 Palmer, B.A.P., v. 31, No. 118, 1945, p. 23, pl. 3, fig. 6
 E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
 Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
 cene
- 20110 **Asolene guatalensis** Palmer Paratype
 Palmer, B.A.P., v. 31, No. 118, 1945, p. 23, pl. 3, fig. 13
 E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
 Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
 cene
- 20110a **Asolene guatalensis** Palmer Paratype
 Palmer, B.A.P., v. 31, No. 118, 1945, p. 23
 E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
 Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
 cene

- 20556 *Astaculus dissonus* Plummer Holotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 145, pl. 11, fig. 17;
 Marks, Micropal., v. 6, No. 4, 1952, p. 34
 Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or
 about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd.,
 Navarro Co., Tex. Corsicana marl, Navarro gr., Mae-
 strichtian, Upper Cretaceous
- 20557- *Astaculus dissonus* Plummer Paratypes
 20562 Plummer, Univ. Tex. Bull. 3101, 1931, p. 145, pl. 15, figs. 2-7;
 Marks, Micropal., v. 6, No. 4, 1952, p. 34
 Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or
 about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd.,
 Navarro Co., Tex. Corsicana marl, Navarro gr., Mae-
 strichtian, Upper Cretaceous
- 20563 *Astaculus taylorensis* Plummer Holotype
 Plummer, Univ. Texas Bull. 3101, 1931, p. 143, pl. 11, fig. 16;
 Marks Micropal., v. 6, No. 4, 1952, p. 34
 Road cut 0.5 mi. S. of R.R. station in Taylor, near top of slope
 S. of small stream, Williamson Co., Tex. Taylor gr.,
 Campanian, Upper Cretaceous
- 20564- *Astaculus taylorensis* Plummer Paratypes
 20566 Plummer, Univ. Texas Bull. 3101, 1931, p. 143, pl. 15, figs. 8-10;
 Marks, Micropal., v. 6, No. 4, 1952, p. 34
 Road cut 0.5 mi. S. of R.R. station in Taylor, near top of slope
 S. of small stream, Williamson Co., Tex. Taylor gr.,
 Campanian, Upper Cretaceous
- Astarte aldrichiana* Harris Holotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 62, pl. 5, figs. 6, 6a (lost
 prior to 1937)
 Dale's Branch, near Oak Hill, Wilcox Co., Ala. Naheola
 fm., upper Midway gr., Paleocene
- 3936 *Astarte cuneiformis* Conrad Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 38, pl. 6, fig. 2
 S. of old Plum Point Wharf, Calvert Co., Md. Calvert
 fm., lower middle Miocene
- 3946 *Astarte cuneiformis* Conrad Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 38, pl. 7, fig. 5
 N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 3939 *Astarte cuneiformis calvertensis* Glenn Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 39, pl. 6, fig. 5
 S. of Camp Roosevelt, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 3940 *Astarte cuneiformis calvertensis* Glenn Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 39, pl. 6, fig. 6
 S. of Camp Roosevelt, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 3935 *Astarte cuneiformis obesa* Dall Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 38, pl. 6, fig. 1
 N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
 lower middle Miocene

- 3947 *Astarte cuneiformis parma* Dall Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 39, pl. 7, fig. 6
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3948 *Astarte exaltata* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 43, pl. 7, figs. 7, 10
"Old Walls Place", Charles Co., Md. Calvert fm., lower
middle Miocene
- 4290 *Astarte (Lirodiscus) jacksonensis* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 77, pl.
18, figs. 1, 2
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4291 *Astarte (Lirodiscus) jacksonensis* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 77, pl.
18, figs. 3, 4
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4292 *Astarte (Lirodiscus) jacksonensis* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 77, pl.
18, fig. 5
Gibson Ldg., 1 mi. above Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4293 *Astarte (Lirodiscus) jacksonensis* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 77, pl.
18, fig. 8
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4294 *Astarte (Lirodiscus) jacksonensis* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 77, pl.
18, figs. 9, 10
Robinson's Ferry, Sabine R., Sabine Co., Tex. Moodys
Branch fm., lower Jackson gr., upper Eocene
- Astarte neuseana* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 92, pl. 32, fig. 13 (lost prior
to 1937)
"Vicinity of Rocky Ldg., Neuse R., above Newbern, Craven Co.,"
N. C. "Trent fm., lower Claiborne, middle Eocene",
Harris; "Trent fm., lower Miocene", Kellum, 1926; age in
process of determination
- 3953 *Astarte obruta* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 46, pl. 8, fig. 5
N. of Camp Conoy, Calvert Co., Md. Choptank fm.,
lower middle Miocene
- 464 *Astarte smithvillensis* Harris "var." Syntype
Harris, Acad. Nat. Sci. Phila., v. 47, Proc., 1895, p. 48, pl. 1,
figs. 9, 9b "small variety"
Colliers Ferry [Burleson Shell Bluff], Brazos R., NE. Burleson
Co., Tex. Weches fm., middle Claiborne gr., middle
Eocene (Stenzel, 1939, p. 807)

- 1766 *Astarte smithvillensis* Harris "var." Syntype
Harris, Acad. Nat. Sci. Phila., v. 47, Proc., 1895, p. 48, pl. 1,
fig. 9a
Colliers Ferry [Burleson Shell Bluff], Brazos R., NE. Burleson
Co., Tex. Weches fm., middle Claiborne gr., middle
Eocene (Stenzel, 1939, p. 807)
- 1767 *Astarte smithvillensis* Harris "var." Syntype
Harris, Acad. Nat. Sci. Phila., v. 47, Proc., 1895, p. 48, pl. 1,
fig. 9c
Colliers Ferry [Burleson Shell Bluff], Brazos R., NE. Burleson
Co., Tex. Weches fm., middle Claiborne gr., middle
Eocene (Stenzel, 1939, p. 807)
- 4299 *Astarte* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 76, pl.
18, figs. 15, 16 (lost prior to 1955)
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 50 *Astarte subpontis* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 62, pl. 5, figs. 5, 5a, 5b
Chattahoochee R., Clay Co., Ga. Midway gr. Paleocene
- 14941 *Astarte symmetrica* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 14944 *Astarte symmetrica* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14927 *Astarte symmetrica* Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14966 *Astarte symmetrica* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City,
Co., Va. Yorktown fm., upper Miocene
- 3950 *Astarte thisphila* Glenn Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 46, pl. 8, fig. 1
S. of Calvert Beach, Calvert Co., Md. Choptank fm.,
lower middle Miocene
- 3952 *Astarte thisphila* Glenn Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 46, pl. 8, fig. 4
N. of Calvert Beach, Calvert Co., Md. Choptank fm.,
lower middle Miocene
- 3942 *Astarte thomasi* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 41, pl. 7, fig. 1
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene

- 3943 *Astarte thomasii* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 41, pl. 7, fig. 2
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3944 *Astarte thomasii* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 41, pl. 7, fig. 3
"Old Walls Place", Charles Co., Md. Calvert fm., lower
middle Miocene
- 3945 *Astarte thomasii* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 41, pl. 7, fig. 4
"Old Walls Place", Charles Co., Md. Calvert fm., lower
middle Miocene
- 4296 *Astarte triangulata* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 76, pl.
18, figs. 11, 12
Three mi. W. of Grove Hill, Clarke Co., Ala. uppermost
Jackson gr., upper Eocene
- 4297 *Astarte triangulata* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 76, pl.
18, fig. 13
One mi. S. Melvin, Choctaw Co., Ala. lower Jackson gr.,
upper Eocene
- 4298 *Astarte triangulata* Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 76, pl.
18, fig. 14
Red Bluff station, [Hiwanee Station], Wayne Co., Miss.
Red Bluff cl., lower Oligocene
- 689 *Astarte triangulatoides* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 91, pl. 32, figs. 12, 12a
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 14925 *Astarte (Ashtarotha) undulata* Say Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14926 *Astarte (Ashtarotha) undulata* Say Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14935 *Astarte (Ashtarotha) undulata* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14953 *Astarte (Ashtarotha) undulata* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co.,
Va. Yorktown fm., upper Miocene

- 14168 *Astarte (Ashtarotha) undulata* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co., Va. Yorktown fm., upper Miocene
- 14989 *Astarte (Ashtarotha) undulata* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper beach, James City Co., Va. Yorktown fm., upper Miocene
- Asteracites asteriscus* (Guppy) Hypotype
Harris, Johns Hopkins Univ. Studies of Geol., No. 7, 1926, p. 104, pl. 18, fig. 3 (lost prior to 1937)
Bontour Point, W. Naparina Ward, W. Victoria Co., Trinidad, W. I. uppermost Cretaceous
- 25348 *Asterias forbesi* (Desor) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 40, No. 3, 1937, p. 27, pl. 5, figs. 1, 2
Beaufort, Carteret Co., N. C. Recent
- 4965 *Asthenotoma danvitexa* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 440, pl. 61, figs. 9, 9a, 9b
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 2603 *Asthenotoma eximia* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 85, pl. 14, fig. 7
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 4966 *Asthenotoma* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 440, pl. 61, fig. 11
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4967 *Asthenotoma* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 440, pl. 61, fig. 12
Danville Ldg., Ouachita R., Catahoula Par. La. lower Jackson gr., upper Eocene
- 2601 *Asthenotoma strigosa* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 85, pl. 14, fig. 5a
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 2604a *Asthenotoma texana* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 8
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex. Cook Mt. fm., upper Claiborne gr., middle Eocene (Stenzel, 1939, p. 854)
- 2604b *Asthenotoma texana* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 9; Harris and

Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 440, pl. 61, fig. 10
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)

- 24311 *Astraea (Pomanlax) petrothauma* Berry Paratype
 Berry, B.A.P., v. 25, No. 94B, 1940, p. 10
 "Hilltop Quarry", San Pedro, Los Angeles Co., Calif.
 lower Pleistocene
- 4739 *Astraea undosa* (Wood) Hypotype
 Palmer, E. L., Nature Magazine, v. 38, No. 4, 1945, p. 200, pl. 4, fig. 50
 Carpenteria, Ventura Co., Calif. Recent
- 21118 *Astridium brevispinum basalis* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 162, pl. 15, figs. 4, 5
 Old Man Sam Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 3470 *Astridium dalli* Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 31, pl. 8, fig. 3
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 3470a *Astridium dalli* Maury Paratype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 31
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 3769 *Astrocoenia calixtoensis* Wells Paratype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 5, pl. 1, figs. 3, 4
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
 Camagüey Prov., Cuba upper Eocene
- 3770 *Astrocoenia calixtoensis* Wells Paratype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 5, pl. 1, figs. 5, 6
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
 Camagüey Prov., Cuba upper Eocene
- 3771 *Astrocoenia calixtoensis* Wells Holotype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 5, pl. 1, fig. 7
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
 Camagüey Prov., Cuba upper Eocene
- 24339 *Astrocoenia dickersoni* Wells Holotype
 Wells, B.A.P., v. 26, No. 97, 1941, p. 5, pl. 2, fig. 4
 Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
 Cuba Upper Cretaceous
- 3774a *Astrocoenia guantanamensis* Vaughan Hypotype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7, pl. 1, fig. 12, 13
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
 Camagüey Prov., Cuba upper Eocene
- 3774b *Astrocoenia guantanamensis* Vaughan Hypotype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
 Camagüey Prov., Cuba upper Eocene

- 3774c *Astrocoenia guantanamoensis* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3774d *Astrocoenia guantanamoensis* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 4024 *Astrocoenia hyatti* Wells Paratypes
Wells, Amer. Mus. Nat. Hist. Novitate, No. 1161, 1942, pp. 1-3
(4 specimens)
Mouth of trail creek, Shoshone R., 3 mi. W. of Cody, Park Co.,
Wyo. upper Sundance fm., (Kimmeridgian) Jurassic
- 3773a *Astrocoenia incrustans* (Duncan) Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 6, pl. 1, figs. 10, 11
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3773b *Astrocoenia incrustans* (Duncan) Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3772 *Astrocoenia nuevitasensis* Wells Paratype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 6, pl. 1, figs. 8, 9
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3778 *Astrocoenia nuevitasensis* Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 6, pl. 1, fig. 18
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3779 *Astrocoenia nuevitasensis* Wells Paratype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 6
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 24354 *Astrocoenia peruviana* Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 5, pl. 1, fig. 1
Pan de Azucar (not Pan de Ayamar as given in text), near
La Brea, Dept. of Piura, Peru Pananga ls., Aptian-
upper Albian
- 24355 *Astrocoenia peruviana* Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 5
Near La Brea, Dept. of Piura, Peru Pananga ls.,
Aptian-upper Albian
- 24356 *Astrocoenia peruviana* Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 5, pl. 1, fig. 1a (slide)
Pan de Azucar, near La Brea, Dept. of Piura, Peru
Pananga ls., Aptian-upper Albian
- 20049 *Astrononion cf. stelligerum* (d'Orbigny) Hypotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 42, pl. 1, figs. 8a, 8b

Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene

- 3458 *Astyris aldrichi* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 24, pl. 6, fig. 3
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3458a *Astyris aldrichi* Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 24
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3459 *Astyris aldrichi nemoralis* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 24, pl. 6, fig. 4
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., upper lower Miocene
- 3457 *Astyris dalli* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 23, pl. 6, fig. 2
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3457a *Astyris dalli* Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 23 (lost prior to 1958)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 288 *Astyris subfraxa* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 58, pl. 7, fig. 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3456 *Astyris trajectiois* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 23, pl. 6, fig. 1
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3456a *Astyris trajectiois* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 23 (many specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3200 *Athleta dalli* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 382, pl. 61, figs. 11, 12
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3174 *Athleta ficulina* (Lamarck) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 371, pl. 57, fig. 4
Leognan, about 10 km. S. of Bordeaux, Dept. Gironde, France
lower middle Burdigalian, lower Miocene
- 4749 *Athleta haleana jacksonia* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 393,
pl. 53, fig. 15
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 4750 *Athleta haleana jacksonia* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 393,
pl. 53, fig. 14
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4751 *Athleta haleana jacksonia* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 393,
pl. 53, fig. 13
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3199 *Athleta haleana* (Whitfield) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 379, pl. 61, figs. 7, 8
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3175 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 1
Locality unknown Jackson gr., upper Eocene
- 3176 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, figs. 9, 10
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3177 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 14
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 3178 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3179 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3180 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 3
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3182 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 6
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3183 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3184 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 12

- Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3185 *Athleta petrosa* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 372, pl. 58, fig. 13
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 4745 *Athleta petrosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 391,
pl. 53, fig. 1
Carter Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4746 *Athleta petrosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 391,
pl. 53, fig. 2
Carter Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4747 *Athleta petrosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 391,
pl. 53 fig. 3
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm.,
lower Jackson gr., upper Eocene
- 4748 *Athleta petrosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 391,
pl. 53, fig. 4
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 3181 *Athleta petrosa indenta* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 375, pl. 58, figs. 5, 8
Moseley's Ferry [Stone City Bluff], Brazos R. Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3192 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 376, pl. 60, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3193 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937 p. 376, pl. 60, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3194 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 376, pl. 60, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3195 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 376, pl. 60, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 3196 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 376 pl. 60, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3197 *Athleta sayana* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 376, pl. 60, fig. 10
Claiborne Bluff, Alabama R., Monroe Co. Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3189 *Athleta sayana mica* (de Gregorio) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 377, pl. 60, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3190 *Athleta sayana mica* (de Gregorio) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 377, pl. 60, figs. 2, 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3191 *Athleta sayana mica* (de Gregorio) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 377, pl. 60, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3188 *Athleta wheelockensis* (Cossmann) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 380, pl. 59, figs. 6 7
Exact locality unknown, La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3186 ?*Athleta wheelockensis bastropensis* (Plummer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 381, pl. 59, fig. 3
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3187 ?*Athleta wheelockensis bastropensis* (Plummer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 381, pl. 59, fig. 4
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 5169 *Athyris angelica* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 11, fig. 1
Chautauqua Co., N. Y. Cattaraugus fm., Conewango
stage, Upper Devonian
- 5173 *Athyris angelica* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 11, fig. 6
Chautauqua Co., N. Y. Cattaraugus fm., Conewango
stage, Upper Devonian
- 5213 *Athyris angelica* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 4
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5214 *Athyris angelica* Hall Hypotype
Caster, B.A.P. v. 15, No. 58, 1930, p. 35, pl. 18, figs. 6, 15

- One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5215 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 7
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5216 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 8
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5217 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, figs. 9, 10
 Gowanda, Cattaraugus Co., N. Y. Chadakoin, Cassadaga
 stage, Chautauquan series, Upper Devonian
- 5218 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, figs. 12, 13
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5219 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 16
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5220 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 17
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5221 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 18
 Warren, Warren Co., Pa. "Venango stage" (Caster,
 1934), Conewango stage, Upper Devonian
- 5222 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 19
 Warren, Warren Co., Pa. "Venango stage" (Caster,
 1934), Conewango stage, Upper Devonian
- 5223 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 20
 Warren, Warren Co., Pa. "Venango stage" (Caster,
 1934), Conewango stage, Upper Devonian
- 5225 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35
 One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5273 *Athyris angelica* Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 9, fig. 3
 Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 1, (lost prior to 1937)
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 2 (lost prior to 1937)
Locality and horizon not designated

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 9, fig. 1 (lost prior to 1937)
Just E. of monument at Cobham, Warren Co., Pa.
Corry ss. ("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 9, fig. 2 (lost prior to 1937)
Just E. of monument at Cobham, Warren Co., Pa.
Corry ss. ("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 3 (lost prior to 1937)
Gowanda, Chautauqua Co., N. Y. Chadakoin, Cassadaga stage, Chautauquan series, Upper Devonian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 5 (lost prior to 1937)
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 11 (lost prior to 1937)
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

Athyris angelica Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 35, pl. 18, fig. 14 (lost prior to 1937)
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

6018 **Athyris spiriferoides** (Eaton) Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 70, pl. 7, fig. 10
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

21782 **Athyris aff. spiriferoides** (Eaton) Hypotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 23, pl. 6, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

- 6046 *Athyriss vitatta* Hall Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 14, pl. 1, figs. 8, 9
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 3383 *Atlanta eocenica* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 474, pl. 75, figs. 4-6
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr. middle
Eocene
- 24465 *Atrina jacksoniana* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 13, pl. 6, fig. 5
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24595 *Atrina rigida* (Solander) Representative specimen
Perry and Schwengel, 1955, p. 40, pl. 3, fig. 15
Sanibel, Lee Co., Fla. Recent
- 24596 *Atrina serrata* (Sowerby) Representative specimen
Perry and Schwengel, 1955, p. 40, pl. 3, fig. 16
Off Sanibel, Lee Co., Fla. Recent
- 3535 *Atrina talarensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 16, pl. 4, fig. 3
Talara, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 5399 *Atrypa harrisi* Caster Syntype
Caster, B.A.P., v. 24, No. 83, 1939, p. 140, pl. 7, fig. 22 (internal
ventral mold) (2 holotypes designated, therefore, equal syn-
types)
Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5400 *Atrypa harrisi* Caster Syntype
Caster, B.A.P., v. 24, No. 83, 1939, p. 140, pl. 7, fig. 23; pl. 10,
fig. 19 (cast missing prior to 1956)
Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5401B *Atrypa harrisi* Caster Syntype
Caster, B.A.P., v. 24, No. 83, 1939, p. 140, pl. 11, figs. 4 5
(external cast and mold of hinge zone of ventral valve) (2 holo-
types designated, therefore, equal syntypes)
Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5402 *Atrypa harrisi* Caster Syntype
Caster, B.A.P., v. 24, No. 83, 1939, p. 140, pl. 7, fig. 24
Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5401 *Atrypa harrisi nasuta* Caster Holotype
 Caster, B.A.P., v. 24 No. 83, 1939, p. 140, pl. 11, figs. 1, 3
 (cast of external mold)
 Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5401A *Atrypa harrisi nasuta* Caster Holotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 142, pl. 11, fig. 2 (internal
 dorsal mold)
 Floresta, lat. 5° 51' N.; long. 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 21763 *Atrypa cf. reticularis* (Linnaeus) Hypotype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 17, pl. 4, fig. 2
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 21764 *Atrypa cf. reticularis* (Linnaeus) Hypotype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 17, pl. 4, fig. 3
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 6009 *Atrypa reticularis harrisi* Caster Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 66, pl. 6, fig. 18
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 3702 *Aturia alabamensis peruviana* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 24, fig. 1
 Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
 Saman fm., upper Eocene
 See *Aturia peruviana* Olsson in Miller, 1947, p. 105
- 3703 *Aturia alabamensis peruviana* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 24, fig. 2
 Near Tamarindo, Chira Valley, Dept. of Piura, Peru
 Cone Hill sh., Heath fm., upper Oligocene
 See *Aturia peruviana* Olsson
- 3704 *Aturia alabamensis peruviana* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 24, fig. 3
 Near Lagunitos*, Dept. of Piura, Peru Talara fm.,
 lower upper Eocene
 See *Aturia peruviana* Olsson
- 20501 *Aturia curvilineata* Miller and Thompson Hypotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 143
 Three km. N. 45° W. of Carrizal, N. Progreso Basin, Guayas
 Prov., SW. Ecua. Subibaja fm., lower Miocene
- 20502 *Aturia curvilineata* Miller and Thompson Hypotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 143
 N. Progreso Basin, 4.1 km. N. 77° W. of Carrizal, Guayas Prov.,
 SW. Ecua. Subibaja fm., lower Miocene

- 1914 **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, pl. 8, fig. 3 (see also P.R.I. 1917)
 Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc.
 S 1) Quimbriz fm., Eocene [Miocene, Darteville and
 Rogers, 1954]
- 1915 **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38
 About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
 at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
 [Miocene, Darteville and Rogers, 1954]
- 1916 **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, pl. 9, figs. 1, 2
 About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
 at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
 [Miocene, Darteville and Rogers, 1954]
- 1916a **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, pl. 8, fig. 5
 About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
 at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
 [Miocene, Darteville and Rogers, 1954]
- 1917 **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, pl. 8, fig. 6. (negative reversed), pl. 9, figs. 5-7
 (see also P.R.I. 1914)
 Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1)
 Quimbriz fm., Eocene [Miocene, Darteville and Rogers, 1954]
- 1918 **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, pl. 9, figs. 3, 4
 Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
 (loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
 and Rogers, 1954]
- 1918a **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38, (slide)
 Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
 (loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
 and Rogers, 1954]
- 1918b **Aturia luculoensis** Miller Syntype
 Miller in Caster, Comun. Serviços Geol. de Portugal, v. 20,
 1938, p. 38 2 pieces)
 Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
 (loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
 and Rogers, 1954]
- 3415 **Aturia panamensis** Miller Holotype
 Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77, pl. 13,
 figs. 1, 2; Miller, G. S. A., Mem. 23, 1947, p. 101, pl. 80, figs. 3, 4

- On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower part upper Eocene
See *A. peruviana* Olsson
- 3416 *Aturia panamensis* Miller Paratype
Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77, pl. 14, fig. 2; Miller, G. S. A., Mem. 23, 1947, p. 101, pl. 79, fig. 3
On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower-part upper Eocene
See *A. peruviana* Olsson
- 3417- *Aturia panamensis* Miller Paratypes
3424 Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77; Miller, G. S. A., Mem. 23, 1947, p. 101
On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower part upper Eocene
See *A. peruviana* Olsson
- 3415 *Aturia peruviana* Olsson Hypotype
Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77, pl. 13, figs. 1, 2
On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower part upper Eocene
See *A. panamensis* Miller
- 3416 *Aturia peruviana* Olsson Hypotype
Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77, pl. 14, fig. 2
On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower part upper Eocene
See *A. panamensis* Miller
- 3417- *Aturia peruviana* Olsson Hypotypes
3424 Miller and Furnish, Jour. Pal., v. 13, No. 1, 1939, p. 77
On beach between the village of Búcaro* near mouth of Tonosi R. and Punta Guanico, Los Santos Prov., Pan. lower part upper Eocene
See *A. panamensis* Miller
- 3703 *Aturia peruviana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 24, fig. 2; Miller, G. S. A., Mem. 23, 1947, p. 102, pl. 86, figs. 1, 2
Near Tamarindo, Chira Valley, Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
See *Aturia alabamensis peruviana* Olsson
- 3704 *Aturia peruviana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 24, fig. 3; Miller, G. S. A., Mem. 23, 1947, p. 102, pl. 79, figs. 1, 2
Near Lagunitos,* Dept. of Piura, Peru Talara fm., lower upper Eocene
See *Aturia alabamensis peruviana* Olsson

- 3705 *Aturia* cf. *ziczac*† Sowerby Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 97, pl. 25, figs. 1, 6
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
See *Aturoidea olssoni* Miller
- 3705 *Aturoidea olssoni* Miller Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 97, pl. 25, figs. 1,6; Miller,
G. S. A., Mem. 23, 1947, p. 73, pl. 52, figs. 1, 2
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
See *Aturia* cf. *ziczac*† Sowerby
- 84 *Atys* ?*robustoides* Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 74, pl. 7, fig. 5
One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Midway gr., Paleocene
- 20510 *Aulacomya maorina* (Iredale) Hypotype
Palmer, Jour. de Conchyl., v. 90, 1950, p. 192, pl. 1, fig. 3
Boatman's Harbor, Oamaru, N. Otago Prov., S. Island, New
Zealand Recent
- 20511 *Aulacomya maorina* (Iredale) Hypotype
Palmer, Jour. de Conchyl., v. 90, 1950, p. 192, pl. 1, fig. 2
Boatman's Harbor, Oamaru, N. Otago Prov., S. Island, New
Zealand Recent
- 22634 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22635 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22636 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94, pl. 11, figs. 7a, b
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22637 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22638 *Aurilia conradi* (Howe and McGuirt) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22639 *Aurilia conradi* (Howe and McGuirt) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene

- 22640 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22641 *Aurilia conradi* (Howe and McGuirt) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Carter's Grove, 10 ft. up bank upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22642 *Aurilia conradi* (Howe and McGuirt) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22643 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22644 *Aurilia conradi* (Howe and McGuirt) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 94
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 5407D ?*Australospirifer cf. antarcticus*
(Morris and Sharpe) "var. 2" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 163, pl. 13, fig. 20
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 5407G ?*Australospirifer cf. antarcticus*
(Morris and Sharpe) "var. 2" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 163, pl. 7, fig. 27
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 5408 *Australospirifer cf. antarcticus*
(Morris and Sharpe) "var. 1" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 162, pl. 12, figs. 7, 8
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 5408A *Australospirifer cf. antarcticus*
(Morris and Sharpe) "var. 1" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 162, pl. 13, figs. 21, 22
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 5408B *Australospirifer cf. antarcticus*
(Morris and Sharpe) "var. 1" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 162

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5408C *Australospirifer* cf. *antarcticus*

(Morris and Sharpe) "var. 1" Hypotype

Caster, B.A.P., v. 24, No. 83, 1939, p. 162

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5471B ?*Australospirifer* cf. *antarcticus*

(Morris and Sharpe) "var. 2" Hypotype

Caster, B.A.P., v. 24, No. 83, 1939, p. 163, pl. 13, fig. 19 (cast missing prior to 1956)

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

48 *Avicula* sp.

Figured specimen

Harris, B.A.P., v. 1, No. 4, 1896, p. 48, pl. 2, figs. 4, 4a

Mouth of Sandy Cr., Chattahoochee R., Clay Co., Ga.

Midway gr., Paleocene

190 *Avicula* sp.

Figured specimen

Harris, B.A.P., v. 2, No. 9, 1897, p. 46, pl. 7, figs. 7, 7a

Woods Bluff, Tombigbee R., Clarke Co., Ala.

Wilcox [Sabine] gr., lower Eocene upper

5261 *Aviculipecten aequilateralis* Hall

Hypotype

Caster, B.A.P., v. 15, No. 58, 1930, p. 41, pl. 31, fig. 1

Two mi. NW. of Warren Co., Pa.

Upper Devonian

Conewango stage

5284 *Aviculipecten* sp.

Figured specimen

Caster, B.A.P., v. 15, No. 58, 1930, p. 40, pl. 31, fig. 6

Near Bradford, McKean Co., Pa.

Upper Devonian

Conewango stage,

Aviculipecten sp.

Figured specimen

Caster, B.A.P., v. 15, No. 58, 1930, pl. 30a, figs. 9, 10 (lost prior to 1937)

Road cut at Flat Iron station, 1 mi. N. of Olean Rock City, Cattaraugus Co., N. Y.

Upper Devonian

Oswayo fm., Conewango stage,

5262 *Aviculipecten* cf. *striatus* (Hall)

Hypotype

Caster, B.A.P., v. 15, No. 58, 1930, p. 40, pl. 31, fig. 3

Stickney, McKean Co., Pa.

"Venango stage" (Caster, 1937), Conewango stage, Upper Devonian

5263 *Aviculipecten* cf. *striatus* (Hall)

Hypotype

Caster, B.A.P., v. 15, No. 58, 1930, p. 40, pl. 31, fig. 5

Two mi. NW. of Warren, Warren Co., Pa.

stage, Upper Devonian

Conewango

5331 *Aviculipecten* cf. *striatus* (Hall)

Hypotype

Caster, B.A.P., v. 15, No. 58, 1930, p. 40, pl. 31, fig. 4

Two mi. NW. of Warren, Warren Co., Pa. Conewango stage, Upper Devonian

Aviculopecten cf. striatus (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 40, pl. 31, fig. 2 (lost prior to 1937)
Stickney, McKean Co., Pa. "Venango stage" (Caster 1937), Conewango stage, Upper Devonian

21783 **Aviculopecten** sp. Figured specimen
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 25, pl. 6, fig. 2
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

5414 **?Aviculopecten** sp. A Unfigured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 178
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5414A **?Aviculopecten** sp. A Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 178, pl. 12, fig. 16; pl. 13, figs. 17, 18 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5412 **?Aviculopecten** sp. B Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 178, pl. 13, fig. 16
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5413 **?Aviculopecten** sp. B Unfigured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 178, (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5415 **?Aviculopecten** sp. B Unfigured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 178 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

21784 **Aviculopecten yeakeli** Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 24, pl. 6, fig. 3; Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, 1943, p. 73, pl. 8, fig. 3
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

2574 **Awateria retifera** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 73, pl. 13, figs. 3, 3a
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene

- 2575a *Awateria retifera* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 73, pl. 13, fig. 4
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2575b *Awateria retifera* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 73, pl. 13, fig. 5
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 129 *Baculites anceps* Lamarck Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 297, pl. 51, fig. 6
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE. Bienville, Bienville Par., La.
Upper Cretaceous
- 4960 *Baculites lyelli* d'Orbigny Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 104, pl. 16, figs. 3, 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4961 *Baculites lyelli* d'Orbigny Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 104, pl. 16, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 25455 *Baggina cojimarensis* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15. No. 2, 1941, p. 198, pl. 16, figs. 13, 14 [D.K.P. slide 191.9-18 (87)]
Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of Yumuri Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25312 *Baggina xenoula* Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 6
W. bank, Bucatunna Cr., Wayne Co., Miss. Oligocene
- 25244 *Bairdoppilata delicatula* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 45
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 25245 *Bairdoppilata pondera* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 45
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co., N. J.
Navesink fm., Upper Cretaceous
- 22486 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69, pl. 7, figs. 1a-d
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22487 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene

- 22488 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Powells Lake Spillway, *Pecten* bed (top bed), James City Co.,
Va. Yorktown fm., upper Miocene
- 22489 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Carter's Grove 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22490 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22491 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22492 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22493 *Bairdoppilata triangulata* Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 69
Carter's Grove, 4 ft. up bank midbeach, James City Co., V.
Yorktown fm., upper Miocene
- 24406 *Balanophyllia piuraensis* Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 16, pl. 2, figs. 6, 6a
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24407 *Balanophyllia piuraensis* Wells Paratypes
Wells, B.A.P., v. 26, No. 98, 1941, p. 16
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 25012 *Balanus* sp. Unfigured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 20
Sea Cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 24543 *Baleis (Vitreolina) ebriconus* Berry Paratype
Berry, B.A.P., v. 35, No. 151, 1954, p. 11
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 24544 *Baleis (Vitreolina) incallida* Berry Paratype
Berry, B.A.P., v. 35, No. 151, 1954, p. 10
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 24541 *Baleis (Vitreolina) obstipa* Berry Paratype
Berry, B.A.P., v. 35, No. 151, 1954, p. 8

Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene

- 24542 **Baleis tersa** Berry Paratype
Berry, B.A.P., v. 35, No. 151, 1954, p. 7
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 4201 **Barbatia (Acar) aspera** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 47,
pl. 11, figs. 12, 13
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4198 **Barbatia corvannis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
pl. 11, fig. 9
Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4199 **Barbatia corvannis** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
pl. 11, fig. 10 (lost prior to 1955)
Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4200 **Barbatia corvannis** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
pl. 11, fig. 11
Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4191 **Barbatia (Cucullaearea) cuculoides** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 45,
pl. 11, fig. 1
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4192 **Barbatia (Cucullaearea) cuculoides** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 45,
pl. 11, fig. 2
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4193 **Barbatia (Cucullaearea) cuculoides** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 45,
pl. 11, fig. 3
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 141 **Barbatia cuculoides** (Conrad) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 47, pl. 8, figs. 1, 1a
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 24591 **Barbatia domingensis** (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 37, pl. 3, fig. 11
Sanibel, Lee Co., Fla. Recent

- 560, **Barbatia ludoviciana** (Harris) Paratypes
 562- Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46
 568 See *Byssosarca (cuculoides) ludoviciana* Harris
- 561 **Barbatia ludoviciana** (Harris) Lectotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46
 Rt. bank Sabine R., Pendleton, Sabine Co., Tex. Pendle-
 ton fm., middle Wilcox gr., lower Eocene (See Stenzel, Krause,
 and Twining, 1957, p. 59)
 See *Byssosarca (cuculoides?) ludoviciana* Harris, Harris,
 B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 9 (as *Arca* in text)
- 4195 **Barbatia ludoviciana** (Harris) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
 pl. 11, fig. 6
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4196 **Barbatia ludoviciana** (Harris) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
 pl. 11, fig. 7
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4197 **Barbatia ludoviciana** (Harris) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46,
 pl. 11, fig. 8
 Danville Ldg., Ouachita R., Catahoula Par., La. lower
 Jackson gr., upper Eocene
- 4202 **Barbatia (Scapharca?) rhomboidella** (Lea) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 44,
 pl. 11, fig. 14
 Gosport, Clarke Co., Ala. Gosport sd., uppermost Clai-
 borne gr., middle Eocene
- 4194 **Barbatia (Jacksonarca) seraperta** Harris Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46
 pl. 11, figs. 4, 5, 5a
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
 Type species of *Jacksonarca* Harris, 1946
- 20197 **Barbatia** sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1700
 Well Tía Juana No. 2, depth 2722-2733 ft., Bolívar Coastal Field,
 Dist. of Bolívar, St. of Zulía, Ven. Lagunillas fm.,
 middle Miocene
- 24861 **Barbatia tenera** (C. B. Adams) Hypotype
 Perry and Schwengel, 1955, p. 37, pl. 40, fig. 288
 Sanibel, Lee Co., Fla. Recent
- 20040 **Barbourinella bermudezi** D. K. Palmer Holotype
 Palmer, B.A.P., v. 29, No. 115, 1945, p. 23, pl. 1, figs. 1a, 1b

Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene

- 25319 **Barnea costata** (Linnaeus) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937, p. 24, pl. 1, fig. 2
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 24705 **Barnea truncata** (Say) Representative specimen
Perry and Schwengel, 195b, p. 94, pl. 19, fig. 125
Sanibel, Lee Co., Fla. Recent
- 20169 **Barroisiceras cf. brancoi** mlte Solger Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, fig. 7
N. side of Río Piche, Dist. of Perijá, St. of Zulia, Ven. on label with specimen [Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. in expl. of pl.] La Luna fm., Upper Cretaceous
- 20166 **Barroisiceras (Alstadenites) cf. sevierense** Reeside Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, fig. 6
Upstream 190 m. from La Luna-La Sierra contact, La Luna Quebrada, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 20167 **Barroisiceras** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650
Upstream 190 m. from La Luna-La Sierra contact, La Luna Quebrada, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 20188 **Barroisiceras (Harleites?) subtuberculata** Gerhardt Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, fig. 2
Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 3901 **Basilosaurus cetoides** Owen Hypotype
Palmer, A.A.P.G., v. 23, No. 8, 1939, pp. 1228-1229; figured on Pal. Res. Inst. 1938 Christmas card
In bed of small W. branch of Crow Cr., Crowley's Ridge, below the highway bridge near Forrest City, St. Francis Co., NE. Ark. lower Jackson gr., upper Eocene
- 2417 **Bathytoma congesta** (Conrad) Hypotype
Harris, P.A., v. 2, No. 7, 1937, p. 26, pl. 4, fig. 6 (missing prior to 1955)
Below falls, Vicksburg, Warren Co., Miss. Vicksburg gr., middle Oligocene
- 2412a **Bathytoma (Glyptotoma) ?conradiana** (Aldrich) Hypotype
Harris, P.A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 31
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2412b **Bathytoma (Glyptotoma) ?conradiana** (Aldrich) Hypotype
Harris, P.A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 32

- Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2410a **Bathytoma (Glyptotoma) crassiplicata** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 27
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2410b **Bathytoma (Glyptotoma) crassiplicata** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 28
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2411a **Bathytoma (Glyptotoma) crassiplicata** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937 p. 23, pl. 3, fig. 29
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 2411b **Bathytoma (Glyptotoma) crassiplicata** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 30
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 2409 **Bathytoma (Glyptotoma) crassiplicata montgomeryensis** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 26; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 425, pl. 58, fig. 18
Montgomery, Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 2414 **Bathytoma (Glyptotoma) fisherana** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 24, pl. 4, fig. 2
Fisher, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2408a **Bathytoma nonplicata** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 25
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 2408b **Bathytoma nonplicata** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 23, pl. 3, fig. 25a
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, 129-130) middle or upper Claiborne gr., middle Eocene
- 5073 **Bathyrurus ellipticus** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 16, figs. 5, 6
Ft. Hunter, Montgomery Co., N. Y. "Calceiferous", Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
See *Hystricurus ellipticus* (Cleland)

- 5076 **?Bathyrurus** sp. Figured specimen
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 16, fig. 9
 Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5062 **Bathyrurus spiniger** Hall Hypotype
 Raymond, B.A.P., v. 3, No. 14, 1902, p. 22, pl. 19, fig. 1
 Crown Point, Essex Co., N. Y. Black R. ls., Mohawkian,
 middle Champlainian (Middle) Ordovician
- 5063 **Bathyrurus spiniger** Hall Hypotype
 Raymond, B.A.P., v. 3, No. 14, 1902, p. 22, pl. 19, figs. 2, 3
 Crown Point, Essex Co., N. Y. Black R. ls., Mohawkian,
 middle Champlainian (Middle) Ordovician
- 24769 **Batillaria minima** (Gmelin) Representative specimen
 Perry and Schwengel, 1955, p. 143, pl. 27, fig. 196
 Sanibel, Lee Co., Fla. Recent
- 24770 **Batillaria minima septemstriata** (Say) Representative specimen
 Perry and Schwengel, 1955, p. 143, pl. 27, fig. 197
 Sanibel, Lee Co., Fla. Recent
- 2863 "**Bayania**" **secale** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 184, pl. 21, figs. 18, 19
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2864 "**Bayania**" **secale** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 184, pl. 21, fig. 20
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2865 "**Bayania**" **secale** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 184, pl. 21, fig. 24
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 5388 **Bellerophon calcifer** Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 14, pl. 15, figs. 15, 16
 Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5389 **Bellerophon califer** Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 14, pl. 15, figs. 17, 18
 Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5390 **Bellerophon calcifer** Cleland Syntypes
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 14, (6 specimens)
 Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5314 **Bellerophon** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 89, pl. 48, fig. 6

Glade, Warren Co., Pa. Conewango stage, Upper Devonian

- 5323 **Bellerophon** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 89, pl. 48, figs. 16, 17
E. of monument at Cobham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5391 **Bellerophon subovatus** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 15, fig. 19
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5392 **Bellerophon subovatus** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 15, fig. 20
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5393 **Bellerophon subovatus** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 15, fig. 21
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5394 **Bellerophon subovatus** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 3403 **Belosaepia alabamensis** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 508, pl. 77, figs. 1, 15
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 3408 **Belosaepia alabamensis voltzi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 509, pl. 77, figs. 10, 12
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 3409 **Belosaepia harrisi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 510, pl. 77, figs. 11, 17, 19
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 3404 **Belosaepia saccaria** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 509, pl. 77, figs. 4, 13, 16
Lisbon Ldg., W. bank about 6½ mi. above bridge at Claiborne,
Monroe Co., Ala. Cook Mt. fm., [upper Lisbon fm.],
upper Claiborne gr., middle Eocene
- 3406 **Belosaepia uncinata** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 507, pl. 77, figs. 8, 18

- Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3407 **Belosaeptia uncinata** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 507, pl. 77, figs. 9, 20
Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3410 **Belosaeptia uncinata** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 507, pl. 77, fig. 21
Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3405 **Belosaeptia ungula** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 505, pl. 77, figs. 5, 6, 14
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3401 **Belosaeptia veatchi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 508, pl. 76, figs. 3-5
Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1832 **Bembexia ellenae** Conkin Paratypes
Conkin, B.A.P., v. 38, No. 168, 1957 p. 141 (3 specimens)
E. quarry of Coral Ridge Brick and Tile Co., Coral Ridge, Jefferson Co., Ky. Coral Ridge mem., New Providence fm., Lower Mississippian
- 25379 **Bermudenzina cf. pariana** (Guppy) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 119, pl. 17, fig. 10 [D.K.P. slide 191.9-18(49)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25314 **Bifarina tombigbeensis** Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] fm., lower Eocene
- 25376 **Bigenerina floridana** Cushman and Ponton Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 117, pl. 18, fig. 6, [D.K.P. slide 191.8-18 (8)]
Middle beds in Tejar "San Jose", Calzada de Marianao at Calle Jesus Maria, Marianao, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20567 **Bigenerina perexigua** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 243, pl. 16, figs. 19-20; Marks, Micropal., v. 6, No. 4, 1952, p. 34
Gully on N. side of Pfluger ranch rd., NE. of ranch house at a point 0.5 mi. NE. of cattle pens, 4.5 mi. SE. of London, Kimble Co., Tex. Strawn gr., Middle Pennsylvanian
- 351 **Bittium (Stylidium) elegans** (H. C. Lea) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 30, pl. 7, fig. 4; Palmer, B.A.P., v. 7, No. 32, 1938, p. 219, pl. 27, fig. 1

Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle
 Eocene
 See *Acirsa (Acirsella) elegans* (H. C. Lea)

- 2928 **Bittium (Stylidium) elegans** (H. C. Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 219., pl. 27, fig. 2 (lost)
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 350 **Bittium (Stylidium) henrylei** (Palmer) Holotype
 Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 3;
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 220, pl. 27, fig. 4
 Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle
 Eocene
 See *Acirsa (Acirsella) henrylei* Palmer
- 354 **Bittium (Stylidium) henrylei** (Palmer) Paratype
 Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 9;
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 220, pl. 27, fig. 6
 Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle
 Eocene
 See *Acirsa (Acirsella) henrylei* Palmer
- 355 **Bittium (Stylidium) henrylei** (Palmer) Paratype
 Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig.
 10; Palmer, B.A.P., v. 7, No. 32, 1937, p. 220, pl. 27, fig. 3
 Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle
 Eocene
 See *Acirsa (Acirsella) henrylei* Palmer
- 4614 **Bittium koeneni** Meyer Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 301,
 pl. 39, fig. 7
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4615 **Bittium koeneni** Meyer Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 301,
 pl. 39, fig. 8
 Moodys Branch, Jackson, Hinds Co., Miss. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 24775 **Bittium varium** (Pfeiffer) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 134, pl. 28, fig. 202;
 Perry and Schwengel, 1955, p. 144, pl. 28, fig. 202
 Sanibel, Lee Co., Fla. Recent
- 25428 **Bitubulogenerina cubensis** (Cushman) Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
 p. 302, pl. 51, fig. 12 [D.K.P. slide 191.9-18 (76)]
 Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of
 Yumuri Gorge well up on face of cliff, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 5052 **Blastoceras cylindrostomum** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 51, pl. 6, figs.

10-13 (not *B. cylindrostomum* as in text—typ. error) Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian

- 25420 ***Bolivina acerosa*** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 297, pl. 52, fig. 1 [D.K.P. slide 191.9-18 (72)]
Middle S. end of cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25420a ***Bolivina acerosa*** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 297 [D.K.P. slide 191.9-18 (72)]
Middle S. end of cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25421 ***Bolivina alazanensis hadleyi*** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 298, pl. 51, figs. 7, 8 [D.K.P. slide 191.9-18 (70)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25422 ***Bolivina* cf. *beyrichi*** Reuss Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 299 [D.K.P. slide 191.9-18 (73) is not pl. 52, fig. 11, 1958]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25423 ***Bolivina floridana*** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 299, pl. 51, fig. 1 [D.K.P. slide 191.9-18 (43)]
In quarry on rd. above Río Cojimar, S. edge of Cojimar, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25424 ***Bolivina floridana*** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 299, pl. 51, fig. 2 [D.K.P. slide 191.9-18 (43)]
Middle of S. end of cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21681 ***Bolivina gracilis*** Cushman and Applin Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 26, pl. 5, fig. 13
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25425 ***Bolivina* cf. *imbricata*** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 300, pl. 52, fig. 13 [D.K.P. slide 191.9-18 (71)]
Quarry on rd. above Río Cojimar, S. edge of Cojimar village, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21737 ***Bolivina jacksonensis*** Cushman and Applin Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 12

- Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21738 **Bolivina jacksonensis striatella** Cushman and Applin Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 12
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22297 **Bolivina lafayettei** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 346, pl. 45, figs. 8a, b
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 22298 **Bolivina lafayettei** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 346, pl. 45, figs. 6a, b
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 25105 **Bolivina mexicana aliformis** Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 16, pl. 2, fig. 7
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- Bolivina plaita** Carsey Holotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 26, pl. 4, fig. 2 (lost
prior to 1931)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E.
of bridge at Jones' Crossing*, Travis Co., Tex. Corsi-
cana marl, Navarro gr., Maestrichtian, Upper Cretaceous
See *Loxostomum plaitum* (Carsey)
- 20051 **Bolivina scalprata miocenica** Macfadyen Hypotype
Palmer, D. K., B.A.P., v. 29, No. 115, 1945, p. 48, pl. 1, figs. 2a, b
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 22299 **Bolivina striatula** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 347, pl. 45, figs. 4a, b
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 25415 **Bolivinella cf. elegans** Parr Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 292, pl. 51, fig. 10 [D.K.P. slide 191.9-18 (55)]
In quarry on rd. above Río Cojimar on S. edge of Cojimar,
Habana Prov., Cuba Cojimar fm., Oligocene [Miocene,
Cole, 1958, p. 222]
- 3349 **Bonellitia bastropensis** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 453, pl. 73, figs. 27, 28
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3294 **Bonellitia garvani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 452, pl. 69, figs. 1, 2
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene

- 3295 **Bonellitia garvani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 452, pl. 69, fig. 3
About 8 mi. W. of Enterprise, Clarke Co., Miss. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 20000 **Bonellitia jacksonica** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 412,
pl. 63, fig. 2
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 20001 **Bonellitia jacksonica** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 412,
pl. 63, fig. 3
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 20002 **Bonellitia jacksonica** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 412,
pl. 63, fig. 16
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 3316 **Bonellitia parilis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 453, pl. 70, figs. 21, 22
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex., Stone City beds, middle Claiborne gr., middle
Eocene
- 3317 **Bonellitia parilis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 453, pl. 70, fig. 23
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3318 **Bonellitia parilis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 453, pl. 70, fig. 25
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3319 **Bonellitia parilis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 453, pl. 70, fig. 24
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3296 **Bonellitia tortiplica** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 451, pl. 69, fig. 7
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3297 **Bonellitia tortiplica** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 451, pl. 69, fig. 8
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3322 **Bonellitia tortiplica** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 451, pl. 69, fig. 9 (lost)

- Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3307 **Bonellitia ulmula** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 455, pl. 70, figs. 1, 7
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
Renamed *Coptostoma rameum* Palmer
- 3480 **Bornia fluctusculpturata** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 36, pl. 9, fig. 6
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3480a **Bornia fluctusculpturata** Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 36, (lost prior to 1958)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 20430 **Bornia (Temblornia) keeneae** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 71, pl. 4, fig. 3
Zacachún corehole, depth 450-459 ft., Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 725 **Bornia perdita** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 109, pl. 37, figs. 14, 14a
Sabine R. ?, La. (see Veatch Survey, 1902, p. 129)
probably Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3490 **Bornia virginiana** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 17, pl. 2, figs. 4, 8
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 4110 **Borsonia (Borsonella) adamsi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 58, pl. 12, fig. 1 (not 5010 as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 20952 **Borsonia cocoensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 78, pl. 5, fig. 23
Coco Plum, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 20953 **Borsonia cocoensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 78, pl. 5, fig. 24 (lost prior to 1937)
Coco Plum, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 4111 **Borsonia (Borsonella) harrisi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 59, pl. 12, fig. 6 (not 5011 as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 4112 **Borsonia (Borsonella) harrisi** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 59, pl. 12, fig. 7 (not 5012 as in text)

Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene

- 2148 **Borsonia peruviana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 121, pl. 21, fig. 10
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2152 **Borsonia peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 121, pl. 21, fig. 14
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 1032 **Borsonia varicosa** (Sowerby) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 192, pl. 34, fig. 7
Brasso Venada Ravine, 3 mi. E. of Brasso station, E. Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Manzanilla fm.,
Miocene
- 24619 **Botula castanea** (Say) Representative specimen
Perry and Schwengel, 1955, p. 54, pl. 7, fig. 41
Sanibel, Lee Co., Fla. Recent
- 24620 **Botula fusca** (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 54, pl. 7, fig. 42
Six fm. off Marco, Collier Co., Fla. Recent
- 24616 **Brachidontes citrinus** (Roeding) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 47, pl. 7, fig. 38; Perry
and Schwengel, 1955, p. 53, pl. 7, fig. 38
Sanibel, Lee Co., Fla. Recent
See *Modiolus citrinus* (Bolten) Roeding
- 24614 **Brachidontes exustus** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 52, pl. 7, fig. 35
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24613 **Brachidontes recurvus** (Rafinesque) Representative specimen
Perry and Schwengel, 1955, p. 52, pl. 7, fig. 34
Sanibel, Lee Co., Fla. Recent
- 25247 **Brachycythere ledaforma** (Israelsky) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 49
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 25248 **Brachycythere ovata** (Berry) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 50
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25249 **Brachycythere pseudovata** Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 50
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 5407 ?**Brachyspirifer palmerae** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 164, pl. 12, figs. 5, 6

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5407A ?*Brachyspirifer palmerae* Caster Paratype

Caster, B.A.P., v. 24, No. 83, 1939, p. 164, pl. 10, figs. 12, 13
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5407B ?*Brachyspirifer palmerae* Caster Paratype

Caster, B.A.P., v. 24, No. 83, 1939, p. 164
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5407C ?*Brachyspirifer palmerae* Caster Paratype

Caster, B.A.P., v. 24, No. 83, 1939, p. 164
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5407E ?*Brachyspirifer palmerae* Caster Paratype

Caster, B.A.P., v. 24, No. 83, 1939, p. 164
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5407F ?*Brachyspirifer palmerae* Caster Paratype

Caster, B.A.P., v. 24, No. 83, 1939, p. 164
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

5029 *Bradfordoceras gomphoides* Flower and Caster Holotype

Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42, pl. 4, figs. 2, 3
Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian

5040 *Bradfordoceras hector* (Hall) variant Hypotype

Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl. (Salamanca), Conewango stage, Upper Devonian

5044 *Bradfordoceras hector* (Hall) variant? Hypotype

Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44, pl. 3, fig. 6
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl. (Salamanca), Conewango stage, Upper Devonian

5045 *Bradfordoceras hector* (Hall) variant? Hypotype

Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl. (Salamanca), Conewango stage, Upper Devonian

5046 *Bradfordoceras hector* (Hall) variant? Hypotype

Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl. (Salamanca), Conewango stage, Upper Devonian

- 5047 **Bradfordoceras hector** (Hall) variant? Hypotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5048 **Bradfordoceras hector** (Hall) variant? Hypotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5054 **Bradfordoceras hector** (Hall) variant Hypotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 44
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5039 **Bradfordoceras hector delta** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 47, pl. 8, figs.
 7, 8
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5042 **Bradfordoceras hector delta** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 47, pl. 8, fig. 6
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5043 **Bradfordoceras hector eta** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 49, pl. 6, fig. 1
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5041 **Bradfordoceras hector gamma** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 47, pl. 4, fig. 5
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5028 **Bradfordoceras ignotum** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 41, pl. 4, fig. 4
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5024 **Bradfordoceras sinuosum** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42, pl. 5, figs.
 2-4, pl. 8, fig. 5
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5025 **Bradfordoceras sinuosum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5026 **Bradfordoceras sinuosum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42, pl. 7, fig. 5
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5027 **Bradfordoceras sinuosum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42

- Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5049 **Bradfordoceras sinuosum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 42
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow cgl. (Salamanca), Conewango stage, Upper Devonian
- 5014 **Bradfordoceras transversum** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 3, figs. 1-3
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5015 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5016 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 5, fig. 5
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5017 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 4, fig. 1
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5018 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5019 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 8, figs. 3, 4
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5020 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 5, fig. 1
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5021 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 3, fig. 5
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5022 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian
- 5023 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34, pl. 3, fig. 4
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango stage, Upper Devonian

- 5038 **Bradfordoceras transversum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 34
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 4814 **Breviarca peruviana** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 35, pl. 3, fig. 8
 La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
 Campanian
- 4815 **Breviarca peruviana** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 35, pl. 3, fig. 2
 La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
 Campanian
- 4816 **Breviarca peruviana** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 35, pl. 3, fig. 9
 La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
 Campanian
- 5800 **Brevioceras casteri** Flower Holotype
 Flower, P.A., v. 2, No. 9, 1938, p. 25, pl. 1, figs. 5-7
 Moravia, Cayuga Co., N. Y. Hamilton gr., Middle
 Devonian
 Type species *Brevioceras* Flower, 1938
- 5800a **Brevioceras casteri** Flower Paratype
 Flower, P. A., v. 2, No. 9, 1938, p. 25
 Moravia, Cayuga Co., N. Y. Hamilton gr., Middle
 Devonian
- 5801 **Brevioceras casteri** Flower Paratype
 Flower, P. A., v. 2, No. 9, 1938, p. 25
 Portland Pt. E. shore Cayuga Lake, Tompkins Co., N. Y.
 Hamilton gr., Middle Devonian
- 5802 **Brevioceras pompeyense** Flower Holotype
 Flower, P. A., v. 2, No. 9, 1938, p. 26, pl. 1, fig. 1; pl. 2, figs. 1, 2
 Pratt's Falls, Onondaga Co., N. Y. Hamilton gr., Middle
 Devonian
- 5803 **Brevioceras wellsi** Flower Holotype
 Flower, P. A., v. 2, No. 9, 1938, p. 28, pl. 1, figs. 8, 9
 Delphi Falls, Onondaga Co., N. Y. Hamilton gr., Middle
 Devonian
- 5804 **Brevioceras wellsi** Flower Paratype
 Flower, P. A., v. 2, No. 9, 1938, p. 28
 Delphi Falls, Onondaga Co., N. Y., Hamilton gr., Middle
 Devonian
- 3838 **Brissus camagüeyensis** Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 76, pl. 9, figs. 1, 2
 In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
 to Belen, Camagüey Prov., Cuba upper Eocene
- 5060 **Bucania champlainensis** Whitfield Hypotype
 Raymond, B.A.P., v. 3, No. 14, 1902, p. 39, pl. 18, figs. 7, 8
 Crown Point, Essex Co., N. Y., Chazy ls., Chazyan,
 lower Champlainian (Middle) Ordovician

- 5067 **Bucania punctifrons** Emmons Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 26, pl. 19, figs. 9, 10
Crown Point, Essex Co., N. Y. Trenton ls., Mohawkian,
upper Champlainian (Middle Ordovician)
- 22338 **Buccella anderseni** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22339 **Buccella anderseni** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354, pl. 51, figs. 4a-c
(megalospheric A₁ form)
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22340 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Fragmental beds, Yorktown Bluffs, York Co., Va.
Yorktown fm., upper Miocene
- 22341 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22342 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22343 **Buccella anderseni** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354, pl. 51, figs. 1a-c
(microspheric A₁ form)
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22344 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22345 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22346 **Buccella anderseni** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Powells Lake Spillway, *Ecphora* bed (3d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 22347 **Buccella anderseni** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354, pl. 50, figs. 1a-c
(megalospheric A₂ form)
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James
City Co., Va. Yorktown fm., upper Miocene

- 22348 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co., Va. Yorktown fm., upper Miocene
- 22349 **Buccella anderseni** McLean Paratypes
McLean, B.A.P., v. 36, N. 160, 1956, p. 354
Powells Lake Spillway, *Ostrea* bed (2d from top sand), James City Co., Va. Yorktown fm., upper Miocene
- 22350 **Buccella depressa** Andersen Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 355, pl. 50, figs. 2a-c (microspheric form)
Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 22351 **Buccella depressa** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 355, pl. 50, figs. 3a-c (megalospheric A₁ form); figs. 4 (megalospheric A₂ form)
Carter's Grove, bank base lower beach, James City Co., Va. Yorktown fm., upper Miocene
- 22352 **Buccella hannai** (Phleger and Parker) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Fragmental beds, Yorktown Bluffs, York Co., Va. Yorktown fm., upper Miocene
- 22353 **Buccella hannai** (Phleger and Parker) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 356, pl. 51, figs. 3a-c
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22354 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Crisfield Well, depth 248-287 ft., Somerset Co., Md. Yorktown fm., upper Miocene
- 22355 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22356 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Moore House Beach, 6 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 22357 **Buccella parkerae** Andersen Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22358 **Buccella parkerae** Andersen Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22359 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356

Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22360 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22361 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356, pl. 51, figs. 2a-c
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22362 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22363 **Buccella parkerae** Andersen Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 356
Powells Lake Spillway, *Pecten* bed (top bed), James City Co., Va.
Yorktown fm., upper Miocene
- 319 **Buccinanops ellipticum** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 30, pl. 3, fig. 15; Harris,
La. Geol. Surv. Rpt., 1899, p. 305, pl. 54, fig. 5
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- Buccinanops ellipticum** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 30, pl. 3, fig. 14; Harris,
La. Geol. Surv. Rpt., 1899, p. 305, pl. 54, fig. 4 (lost prior to 1937)
Bells Ldg., or Yellow Bluff, Alabama R., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- 25349 **Buccinum undatum** Linnaeus Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 40, No. 3, 1937,
p. 25, pl. 4, fig. 4
Cove behind biological station, rocky beach, Mt. Desert I., Han-
cock Co., Me. Recent
- 3052 **Buccitriton sagenus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 303, pl. 41, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3053 **Buccitriton sagenus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 303, pl. 41, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3054 **Buccitriton sagenus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 303, pl. 41, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3055 **Buccitriton sagenus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 303, pl. 41, fig. 4

Hickory, Newton Co., Miss.
 borne gr., middle Eocene

Cook Mt. fm., upper Clai-

- 3056 **Buccitriton texanus** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 305, pl. 41, fig. 3
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3049 **Buccitriton texanus** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 305, pl. 41, fig. 2
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3050 **Buccitriton texanus** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 305, pl. 41, fig. 6
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 25148 **Bulimina aculeata** d'Orbigny Hypotype
 Hadley, B.A.P., v. 20, No. 70A, 1934, p. 16
 R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
 Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
 upper Eocene
- 25417 **Bulimina affinis** d'Orbigny Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
 p. 295, pl. 51, fig. 14 [D.K.P. slide 191.9-18 (56)]
 Base NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20568 **Bulimina bradburyi** Martin Paratype
 Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3 No. 3,
 1943, p. 19, pl. 6, fig. 4; Marks, Micropal., v. 6, No. 4, 1952,
 p. 34
 Lodo Gulch, NE. ¼ Sec. 29, NW. ¼ Sec. 28, T. 15 S., R. 13 E.,
 (I-X 14) Mt. Diablo baseline and meridian, Panoche Quad-
 rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20569 **Bulimina debilis** Martin Paratype
 Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
 1943, p. 20, pl. 6, fig. 1; Marks, Micropal., v. 6, No. 4, 1952,
 p. 34
 Lodo Gulch, NE. ¼ Sec. 29, NW. ¼ Sec. 28, T. 15 S., R. 13 E.,
 (I-S 17A) Mt. Diablo baseline and meridian, Panoche Quad-
 rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22286 **Bulimina gracilis** Cushman Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 344, pl. 44, fig. 9
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22287 **Bulimina gracilis** Cushman Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 344, pl. 44, figs. 6, 8
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene

- 22288 *Bulimina gracilis* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 344
Moore House Beach, base of bank on beach, York Co., Va.,
Yorktown fm., upper Miocene
- 22289 *Bulimina gracilis* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 344
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22290 *Bulimina gracilis* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 344, pl. 44, fig. 10
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22291 *Bulimina gracilis* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 344
Crisfield Well, depth 248-287 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 21607a *Bulimina guayabalensis* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 24, pl. 1, fig. 1
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21607b *Bulimina guayabalensis* Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 24, pl. 1, fig. 2
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21650 *Bulimina* cf. *inflata* Seguenza Hypotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 25, pl. 3, fig. 12
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25107 *Bulimina inflata* Seguenza Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 16, pl. 2, fig. 9
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 22292 *Bulimina preacanthia* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 345, pl. 45, fig. 7
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 22293 *Bulimina preacanthia* McLean Holotype and unfigured paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 345, pl. 45, fig. 3
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22294 *Bulimina preacanthia* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 345, pl. 45, fig. 2
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22679 **Bulimina pupoides** d'Orbigny Hypotype
Plummer, Univ. Tex. Bull. 2644, 1927, p. 36, p. 172, pl. 2, fig. 11
(S-1032; not in Walker Mus. as on p. 172)
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana
or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd.,
Navarro Co., Tex. Corsicana ml., Navarro gr., Mae-
strichtian, Upper Cretaceous
- 22691 **Bulimina pupoides** d'Orbigny Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 180, pl. 9, fig. 15
(S-821)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25219 **Bulimina quadrata** Plummer Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 30
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25220 **Bulimina reussi** Morrow Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 31
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 21687 **Bulimina** sp.
Cole, B.A.P., v. 14, No. 51, 1927. Included in original study
material
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21688 **Bulimina** sp.
Cole, B.A.P., v. 14, No. 51, 1927. Included in original study
material
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- Bulimina tuxpamensis** Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 12, pl. 1, fig. 23 (not deposited
in 1928)
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 20570 **Bulimina whitei** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 20, pl. 6, fig. 5; Marks, Micropal., v. 6, No. 4, 1952,
p. 34,
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15, S., R. 13 E.,
(I-S 15+22) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20571 **Buliminella carseyae** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 179, pl. 8, fig. 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 34
Rt. bank Onion Cr., near bridge at Moore and Berry's Crossing,
8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 22285 **Buliminella cf. elegantissima** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 344, pl. 44, figs. 11a,b

Fragmental beds, Yorktown Bluffs, York Co., Va.
Yorktown fm., upper Miocene

- 25218 **Buliminella fusiforma** Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 30
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 24856 **Bulla amygdala** Dillwyn Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 175, pl. 39, fig. 282; Perry
and Schwengel, 1955, p. 193, pl. 39, fig. 282
Sanibel, Lee Co., Fla. Recent
- 24854 **Bulla occidentalis** A. Adams Representative specimen
Perry and Schwengel, 1955, p. 192, pl. 39, fig. 280
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 24855 **Bulla striata** Bruguière Representative specimen
Perry and Schwengel, 1955, p. 193, pl. 39, fig. 281
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 20928 **Bullaria paupercula** Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 34c, pl. 4, fig. 14
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 358 **Bullia altilis** (Conrad) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 28, pl. 7, fig.
13
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 359 **Bullia altilis** (Conrad) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 28, pl. 7, figs.
14, 16
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 3039 **Bullia altilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 287, pl. 39, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3040 **Bullia altilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 287, pl. 39, figs. 8, 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4658 **Bullia altilis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 347,
pl. 45, fig. 22
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4659 **Bullia altilis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 347,
pl. 45, fig. 23

Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene

- 356 ***Bullia altilis harrisi*** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 11; Palmer, B.A.P., v. 7, No. 32, 1937, p. 290, pl. 39, fig. 2
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle Eocene
- 357 ***Bullia altilis harrisi*** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, fig. 12; Palmer, B.A.P., v. 7, No. 32, 1937, p. 290, pl. 39, fig. 3
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle Eocene
- 360 ***Bullia altilis harrisi*** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 29, pl. 7, figs. 7, 15; Palmer, B.A.P., v. 7, No. 32, 1937, p. 290, pl. 39, figs. 10, 13
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle Eocene
- 3037 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 289, pl. 39, figs. 1, 6
(*Expleritoma prima* Aldrich)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3038 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 289, pl. 39, figs. 4, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3042 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 289, pl. 39, figs. 11, 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3043 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 289, pl. 40, figs. 1, 5
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 3044 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 289, pl. 40, figs. 2, 3
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 4660 ***Bullia altilis subglobosa*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 348, pl. 45, fig. 24
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 3045 ***Bullia* (*Anbullina*) *ancillops*** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 292, pl. 40, figs. 4, 6
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene

- 3082 **Bullia scamba** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 290, pl. 44, figs. 2, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3064 **Bullia tenera** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 291, pl. 42, figs. 7, 13 (not
#3074 as printed in expl. of pl.)
Exact data lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 3065 **Bullia tenera** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 291, pl. 42, figs. 8, 9
Exact data lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 3066 **Bullia tenera** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 291, pl. 42, figs. 10, 11
Big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3
mi. NW. of Stone City, Burleson Co., Tex. Probably Cedar Cr.,
near Wheelock, Robertson Co., Tex. (pers. commun. Stenzel,
1958) Cook Mt. fm., upper Claiborne gr., middle Eocene
- 287 **Bulliopsis choctavensis** (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 58, pl. 7, fig. 10
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 3048 **Bulovia weisbordi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 293, pl. 40, figs. 10, 11
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 6061 **Bumastus globosus** (Billings)
Raymond, Ann. Carn. Mus., v. 3, No. 2, 1905, p. 350 (original
author material)
Boulder near station, Cooperville, N. of Chazy, Clinton Co.,
N. Y. Chazy ls., lower Champlainian, (Middle) Ordo-
vician
- 24256 **Bursa chira** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 62, pl. 10, fig. 5
Chira Valley, Dept. of Piura, Peru Chira fm., lower
Oligocene
- 24257 **Bursa chira** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 62, pl. 10, figs. 6, 7
Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 24263 **Bursa chira** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 62, pl. 10, fig. 13
Quercotilla, Chira Valley, Dept. of Piura, Peru Chira
fm., lower Oligocene
- 24254 **Bursa chira yasila** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 63, pl. 10, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24255 **Bursa chira yasila** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 63, pl. 10, fig. 4
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24262 **Bursa chira yasila** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 63, pl. 10, fig. 12
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 21129 **Bursa crassa** (Dillwyn) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 134, pl. 15, fig. 19
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 22964 **Bursa crassa colombiana** Weisbord Holotype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 41, pl. 8, figs. 1, 2
 Near Tuberá, Cedral or Morro Hermosa, Dept. of Atlantico,
 Col. Miocene
- 2312 **Bursa (Marsupina) freya** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 187, pl. 21, fig. 3
 Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
 Dept. of Tumbes, Peru upper Heath fm., Oligocene or
 lower Miocene
- 2313 **Bursa (Marsupina) freya** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 187, pl. 21, fig. 4
 Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
 Dept. of Tumbes, Peru upper Heath fm., Oligocene or
 lower Miocene
- 2315 **Bursa (Marsupina) freya** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 187, pl. 21, fig. 6
 Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
 Dept. of Tumbes, Peru upper Heath fm., Oligocene or
 lower Miocene
- 2310 **Bursa (Crossata) ventricosa** (Broderip) "var." Hypotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 186, pl. 21, fig. 1
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 21877 **Busycon aruanum** (Linnaeus) Hypotype
 Hollister, P. A., v. 4, No. 28, 1958, p. 70
 Coffin Pt., St. Helena I., Beaufort Co., S. C. Recent
- 24949 **Busycon aruanum** (Linnaeus) Hypotype
 Hollister, P. A., v. 4, No. 28, 1958, p. 70, pl. 8, fig. 8
 Off Harker's I., Carteret Co., N. C. Recent
- 24954 **Busycon aruanum** (Linnaeus) Hypotype
 Hollister, P. A., v. 4, No. 28, 1958, p. 70, pl. 8, fig. 10
 Beaufort, Carteret Co., N. C. Recent
- 24955 **Busycon aruanum** (Linnaeus) Hypotype
 Hollister, P. A., v. 4, No. 28, 1958, p. 70, pl. 8, fig. 9
 Beaufort, Carteret Co., N. C. Recent

- 24959 **Busycon aruanum** (Linnaeus) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 70, pl. 8, figs. 3, 11
Coffin Pt., St. Helena I., Beaufort Co., S. C. Recent
- 24962 **Busycon aruanum** (Linnaeus) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 70, pl. 18, figs. 3, 5
Harbor R., Harbor I. Bridge E. end, US 21, Beaufort Co., S. C.
Recent
- 24963 **Busycon (Sinistrofulgur) aspinosum** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 90
Longboat Key, Sarasota, Manatee Co., Fla. Recent
- 25346 **Busycon canaliculatum** (Linnaeus) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 10
Wards Creek between Beaufort and Atlantic Ocean, Carteret
Co., N. C. Recent
- 24935 **Busycon candelabrum** (Lamarck) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 78, pl. 9, figs. 1-3
Campeche Bay, Yucatan, Mex. Recent
- 24936 **Busycon candelabrum** (Lamarck) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 78, pl. 9, figs. 4-6
Campeche Bay, Yucatan, Mex. Recent
- 4122 **Busycon carica** (Gmelin) Hypotype
Smith, B., P. A., v. 3, No. 15, 1943, p. 5, pl. 1, figs. 4-6
Spoil banks of Intra-Coastal Canal between Pungo R. and
Alligator R., Hyde Co., N. C. Pamlico fm., Pleistocene
- 7176 **Busycon carica** (Gmelin) Hypotype
Magalhaes, Ecological Monographs, Duke Univ., v. 18, 1948, p.
387, figs. 33, 34
Town Marsh on a muddy sand beach close to a permanent deep
channel, Beaufort, Carteret Co., N. C. Recent
- 7177 **Busycon carica** (Gmelin) Hypotype
Magalhaes, Ecological Monographs, Duke Univ., v. 18, 1948, p.
387, figs. 35-37
U. S. Biological Station, Beaufort, Carteret Co., N. C.
Recent
- 7178 **Busycon carica** (Gmelin) Hypotype
Magalhaes, Ecological Monographs, Duke Univ., v. 18, 1948, p.
401, fig. 57 (6 specimens)
Bulkhead Shoal, Beaufort, Carteret Co., N. C. Recent
- 7179 **Busycon carica** (Gmelin) Hypotype
Magalhaes, Ecological Monographs, Duke Univ., v. 18, 1948, p.
401, fig. 58
Bird Shoal, Beaufort, Carteret Co., N. C. Recent
- 25347 **Busycon carica** (Gmelin) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 8
Low tide, Cape Lookout, Carteret Co., N. C. Recent

- 24944 **Busycon (Busycoarctum) coarctatum** (Sowerby) Neotype
Hollister, P. A., v. 4, No. 28, 1958, p. 83, pl. 10, figs. 6-9
Off Obregon, Campeche Bay, Yucatan, Mex. Recent
Type species of *Busycoarctum* Hollister, 1958
- 4121 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 15, 1943, p. 4, pl. 1, figs. 1-3
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 4970 **Busycon contrarium** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 163
Six fm., off Sanibel I., Lee Co., Fla. Recent
- 20035 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 26, pl. 2, figs. 10-12
Sanibel, Lee Co., Fla. Recent
- 20038 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 17, 1944, p. 3, pl. 1, figs. 1-3
Sanibel, Lee Co., Fla. Recent
- 20039 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 17, 1944, p. 4, pl. 1, figs. 4-6
Sanibel, Lee Co., Fla. Recent
- 20054 **Buscyon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 25, pl. 2, fig. 1
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 20055 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 25, pl. 2, fig. 2
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 20056 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 25, pl. 2, fig. 3
Acme, Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 20057 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 25, pl. 2, figs. 4, 5
Acme, Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 20058 **Busycon contrarium** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 25, pl. 2, figs. 6, 7
Acme, Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 24804 **Busycon "contrarium"** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 163, pl. 33, fig. 233a
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 24807 **Busycon "contrarium"** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 164 (albino)
Sanibel, Lee Co., Fla. Recent

- 24808 **Busycon "contrarium"** (Conrad) (aberrant) Representative specimen
Perry and Schwengel, 1955, p. 164, pl. 34, figs. 233b, c
Sanibel, Lee Co., Fla. Recent
- 24910 **Busycon "contrarium"** Conrad Hypotype
Perry and Schwengel, 1955, p. 164, pl. 51, fig. 349 (egg capsules and embryo)
Sanibel, Lee Co., Fla. Recent
- 24941 **Busycon eliceans** (Montfort) Neotype
Hollister, P. A., v. 4, No. 28, 1958, p. 80, pl. 10, figs. 1-5
Harbor R. Bridge, US 21, Harbor I., Beaufort Co., S. C.
Recent
- 24960 **Busycon eliceans** (Montfort) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 80, pl. 18, figs. 1, 4, 6
Harbor R., Harbor I. Bridge E. end US 21, Beaufort Co., S. C.
Recent
- 24961 **Busycon eliceans** (Montfort) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 80, pl. 18, fig. 2
Harbor R., Harbor I. Bridge E. end, US 21, Beaufort Co., S. C.
Recent
- 20060 **Busycon cf. excavatum** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 28, pl. 3, figs. 1-3
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 20061 **Busycon excavatum** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 28, pl. 2, figs. 22-24
Acme, Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 20059 **Busycon incile** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 27, pl. 2, figs. 17, 18
Near Yorktown, York Co., Va. Yorktown fm., upper Miocene
- 24940 **Busycon (Sinistrofulgur) perversum** (Linnaeus) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 87, pl. 12, figs. 3-6
Campeche Bay, Yucatan, Mex. Recent
- 24951 **Busycon (Sinistrofulgur) pulleyi** Hollister Holotype
Hollister, P. A., v. 4, No. 28, 1958, p. 89, pl. 12, figs. 7-10, text fig. 2
Harbor I., Port Aransas, Nueces Co., Tex. Recent
- 24957 **Busycon (Sinistrofulgur) pulleyi** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 89, pl. 11, figs. 7, 8, 11
Off Alabama Coast (?) Recent
- 20036 **Busycon pyrum** (Dillwyn) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 28, pl. 2, figs. 19, 20
Sanibel, Lee Co., Fla. Recent
- 20037 **Busycon pyrum** (Dillwyn) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 28, pl. 2, fig. 21
Sanibel, Lee Co., Fla. Recent

- 24937 **Busycon (Sinistrofulgur) sinistrum** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 85, pl. 13, figs. 6-9
Off Dry Tortugas, W. of Key West, Monroe Co., Fla.
Recent
- 24939 **Busycon (Sinistrofulgur) sinistrum** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 85, pl. 11, figs. 1, 2, 10;
pl. 12, fig. 11
Campeche Bay, Yucatan, Mex. Recent
- 24948 **Busycon (Sinistrofulgur) sinistrum** Hollister Holotype
Hollister, P. A., v. 4, No. 28, 1958, p. 85, pl. 11, figs. 3, 4, 12
Charlotte Harbor Channel off Sanibel I. ferry dock, 3 fm.
depth, Lee Co., Fla. Recent
Type species of *Sinistrofulgur* Hollister, 1958
- 24805 **Busycon spiratum** (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 165, pl. 33, fig. 234
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 24911 **Busycon spiratum** (Lamarck) Hypotype
Perry and Schwengel, 1955, p. 165, pl. 52, figs. 350a-e (egg
capsules and embryonic shell)
Sanibel, Lee Co., Fla. Recent
- 24938 **Busycotypus canaliculatus** (Linnaeus) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 94, pl. 14, figs. 7, 8
Cocoa Beach, Brevard Co., Fla. Recent
- 24947 **Busycotypus canaliculatus** (Linnaeus) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 94, pl. 14, figs. 5, 6
Harbor R. Bridge, US 21, Harbor I., Beaufort Co., S. C.
Recent
- 24968 **Busycotypus plagosus** (Conrad) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent
- 24969 **Busycotypus plagosus** (Conrad) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent
- 24970 **Busycotypus plagosus** (Conrad) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent
- 24946 **Busycotypus (Pyrofulgur) plagosus galvestonensis** Hollister
Holotype
Hollister, P. A., v. 4, No. 28, 1958, p. 97, pl. 15, figs. 6-8
Anahuac, Chambers Co., Tex. Recent
- 24964 **Busycotypus plagosus texanus** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent

- 24965 **Busycotypus plagosus texanus** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958 p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent
- 24966 **Busycotypus plagosus texanus** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off N. Pass, Miss. R. Delta, Plaquemines Par., La.
Recent
- 24967 **Busycotypus plagosus texanus** Hollister Paratype
Hollister, P. A., v. 4, No. 28, 1958, p. 98
Off Alabama Recent
- 24945 **Busycotypus (Pyrofulgur) spiratus** (Lamarck) Hypotype
Hollister, P. A., v. 4, No. 28, 1958, p. 99, pl. 16, figs. 3, 4, 9, 12,
15
Campeche Bay, Yucatan, Mex. Recent
Type species of *Pyrofulgur* Hollister, 1958
- 24942 **Busycotypus (Pyrofulgur) spiratus pyruloides** (Say) Hypotype
Hollister, P. A., v. 4, No. 28, 1958 p. 100, pl. 16, fig. 10
Tarpon Bay, Sanibel I., Lee Co., Fla. Recent
- 24943 **Busycotypus (Pyrofulgur) spiratus pyruloides** (Say) Neotype
Hollister, P. A., v. 4, No. 28, 1958, p. 100, pl. 15, figs. 10, 11; pl.
16, fig. 14
Siesta Key, Sarasota, Manatee Co., Fla. Recent
- 560 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 8
Rt. bank Sabine R., Pendleton, Sabine Co., Tex. Pendle-
ton fm., middle Wilcox gr., lower Eocene [See Stenzel, Krause,
and Twining, 1957, p. 59]
See *Barbatia ludoviciana* (Harris)
- 561 **Byssoarca (cuculoides?) ludoviciana** Harris Lectotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 9 (as *Arca*
in text), lectotype selected under *Barbatia ludoviciana* (Harris),
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 46
Rt. bank Sabine R., Pendleton, Sabine Co., Tex.
Pendleton fm., middle Wilcox gr., lower Eocene [See Stenzel,
Krause, and Twining, 1957, p. 59]
- 562 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 10
Rt. bank Sabine R., Pendleton, Sabine Co., Tex. Pendle-
ton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and
Twining, 1957, p. 59]
- 563 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 11
Rt. bank Sabine R., Pendleton, Sabine Co., Tex. Pendle-
ton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and
Twining, 1957, p. 59]
- 564 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 12

- Rt. bank Sabine R., Pendleton, Sabine Co., Tex. Pendleton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and Twining, 1957, p. 59]
- 565 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 13
Rt. bank of Sabine R., Pendleton, Sabine Co., Tex.
Pendleton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and Twining, 1957, p. 59]
- 566 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 14
Rt. bank Sabine R., Pendleton, Sabine Co., Tex.
Pendleton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and Twining, 1957, p. 59]
- 567 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 15
Rt. bank Sabine R., Pendleton, Sabine Co., Tex.
Pendleton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and Twining, 1957, p. 59]
- 568 **Byssoarca (cuculoides?) ludoviciana** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 54, pl. 22, fig. 16
Rt. bank Sabine R., Pendleton, Sabine Co., Tex.
Pendleton fm., middle Wilcox gr., lower Eocene [Stenzel, Krause, and Twining, 1957, p. 59]
- 303 **Cadulus abruptus** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 5, pl. 1, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2647 **Cadulus ("Dischides") abruptus** Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 25, pl. 2, fig. 15
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2648 **Cadulus ("Dischides") abruptus** Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 25, pl. 2, fig. 16
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2649 **Cadulus ("Dischides") abruptus** Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 25, pl. 2, fig. 23
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2650 **Cadulus ("Dischides") abruptus** Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 25, pl. 2, fig. 24
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 24882 **Cadulus carolinensis** Bush Hypotype
Perry and Schwengel, 1955, p. 101, pl. 45, fig. 316
Destin, Okaloosa Co., Fla. Recent
- 4485 **Cadulus (Polyschides) jacksonensis** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 216,
pl. 26, figs. 1-3

- Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4483 **Cadulus (Polyschides) margarita** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 217,
pl. 26, figs. 8-10
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4484 **Cadulus (Polyschides) margarita** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 217,
pl. 26, fig. 11
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 2644 **Cadulus ouachitensis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 21, pl. 2, fig. 18
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2645 **Cadulus ouachitensis** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 21, pl. 2, fig. 19
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24881 **Cadulus quadridentatus** Dall Hypotype
Perry and Schwengel, 1955, p. 101, pl. 45, figs. 315a, b
Eighteen-twenty fm., off Destin, Okaloosa Co., Fla.
Recent
- 2646 **Cadulus (Polyschides) quadriturritus** Meyer Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 23, pl. 2, figs. 13, 14
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 20293 **Cadulus** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Isabel No. 18, depth 3290-3311 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 2651 **Cadulus (Dischides) subcoarctatus** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 24, pl. 2, fig. 26
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- Cadulus turgidus** Meyer Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 73, pl. 7, fig. 2 (lost prior
to 1937)
Exact locality not designated, Ala. Naheola fm., upper
Midway gr., Paleocene
- 24931 **Caecum carmenensis** de Folin Representative specimen
Perry and Schwengel, 1955, p. 138
Sanibel, Lee Co., Fla. Recent
- 24758 **Caecum floridanum** Stimpson Representative specimen
Perry and Schwengel, 1955, p. 137, pl. 26, fig. 185
Sanibel, Lee Co., Fla. Recent

- 14938 *Calliostoma basicum* Dall Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 1110 *Calliostoma caronianum* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 245, pl. 43, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21119 *Calliostoma castilla* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 165, pl. 15, figs. 6, 7
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1111 *Calliostoma decipiens* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 244, pl. 43, fig. 9
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 1107 *Calliostoma decipiens laticarinatum* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 245, pl. 43, figs. 5, 10
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 204 *Calliostoma harrisianum* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 19, pl. 2, fig. 7
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 21120 *Calliostoma limonensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 164, pl. 15, figs. 8, 11
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21121 *Calliostoma mancinella* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 164, pl. 15, figs. 9, 10
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 14994 *Calliostoma mitchelli* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 1108 *Calliostoma olssoni* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 247, pl. 43, fig. 6
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 1114 *Calliostoma olssoni* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 247, pl. 43, fig. 14
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 3471 *Calliostoma palmeri* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 32, pl. 8, fig. 4

- Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3471a *Calliostoma palmeri* Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 32
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1112 *Calliostoma plicomphalum* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 246, pl. 43, fig. 11
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 1113 *Calliostoma plicomphalum* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 246, pl. 43, figs. 13, 15
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 200 *Calliostoma shackelfordense* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 20, pl. 2, fig. 3
Shackleford, King and Queen Co., Va. St. Marys fm.,
middle Miocene
- 205 *Calliostoma suffolkense* Olsson Syntype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 19, pl. 2, fig. 8
Suffolk, Nansemond Co., Va. Yorktown fm., upper
Miocene
- 206 *Calliostoma suffolkense* Olsson Syntype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 19, pl. 2, fig. 9
Suffolk, Nansemond Co., Va. Yorktown fm., upper
Miocene
- 1656 *Callista (Costacallista) aequorea* (Conrad) Hypotype
Palmer, P.A., v. 1, No. 5, 1929, p. 89, pl. 15, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1659 *Callista (Costacallista) aequorea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 89, pl. 15, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1663 *Callista (Costacallista) aequorea* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 89, pl. 15, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1639 *Callista albaria* (Say) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 83, pl. 12, fig. 12
Chocowinity, Beaufort Co., N. C. Yorktown fm., upper
Miocene
- 1647 *Callista albaria* (Say) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 83, pl. 13, fig. 13
Petersburg, Dinwiddie Co., Va. "Murfreesboro" [York-
town] fm., upper Miocene
- 1652 *Callista annexa* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 75, pl. 14, figs. 17, 20

- Garland Cr., Clarke Co., Miss. lower Jackson gr., upper Eocene
- 4349 **Callista annexa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 95,
pl. 21, fig. 6
Garland Cr., N. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4350 **Callista annexa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 95,
pl. 21, fig. 7
Garland Cr., N. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4351 **Callista annexa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 95,
pl. 21, fig. 8
Garland Cr., N. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4352 **Callista annexa pearlensis** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 96,
pl. 21, fig. 9
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2008 **Callista (Costacallista) canoasensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 60, pl. 8, fig. 10
Quebrada Canoas, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 2009 **Callista (Costacallista) canoasensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 60, pl. 8, fig. 11
Quebrada Canoas, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 2011 **Callista (Costacallista) canoasensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 60, pl. 8, fig. 13
Quebrada Canoas, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 1629 **Callista maculata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 77, pl. 10, fig. 11; Palmer,
Nat. Mag., v. 33, No. 6, 1940, pl. 2, fig. 16
Florida Recent
- 1635 **Callista maculata** (Linnaeus) Hypotype
Palmer, P. A., v. No. 5, 1929, p. 77, pl. 12, figs. 3 (left valve to
#1629)
Florida Recent
- 1638 **Callista maculata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 77, pl. 12, fig. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 21313 **Callista maculata** (Linnaeus) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 234, pl. 31, figs. 6, 7;
Palmer, P.A., v. 1, No. 5, 1927, p. 77, pl. 14, fig. 4

- Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
See *Macrocallista maculata* (Linnaeus)
- 1999 **Callista (Costacallista) mancorensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 60, pl. 8, fig. 1
Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2001 **Callista (Costacallista) mancorensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 60, pl. 8, fig. 3
Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 1633 **Callista marylandica** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 76, pl. 11, fig. 2
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene
- 1634 **Callista marylandica** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 76, pl. 11, fig. 3; pl. 12,
figs. 10, 11
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene
- 1661 **Callista (Costacallista) mortoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 88, pl. 15, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1665 **Callista (Costacallista) mortoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 88, pl. 15, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1666 **Callista (Costacallista) mortoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 88, pl. 15, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1632 **Callista nimbose** (Solander) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 84, pl. 10, fig. 15; pl. 13,
fig. 4; pl. 14, fig. 18
Florida Recent
- 1641 **Callista nimbose** (Solander) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 84, pl. 13, fig. 1; pl. 14,
fig. 18
Florida Recent
- 1822 **Callista nimbose** (Solander) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 79, text fig. 9 (right and
left hinges)
"East Coast" [Western Atlantic] Recent
- 21317 **Callista (Costacallista) olssoni** Palmer Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 237, pl. 31, fig. 11; Palmer,
P. A., v. 1, No. 5, 1927, p. 90; 1929, pl. 44, fig. 5

- Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
See *Pitaria guppyana* Gabb
- 1660 **Callista (Costacallista) pearlensis** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 87, pl. 15, fig. 10
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 1662 **Callista (Costacallista) pearlensis** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 87, pl. 15, fig. 12
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 1664 **Callista (Costacallista) pearlensis** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 87, pl. 15, fig. 15
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 1649 **Callista perovata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 74, pl. 14, fig. 9a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1650 **Callista perovata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 74, pl. 14, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1651 **Callista perovata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 74, pl. 14, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1653 **Callista perovata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 74, pl. 14, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1654 **Callista perovata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 74, pl. 14, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1658 **Callista (Costacallista) perovata aldrichi** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 87, pl. 15, figs. 7, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1648 **Callista perovata lisbonensis** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 75, pl. 14, fig. 8
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1160 **Callista perovata subvitrea** (de Gregorio) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 11; Palmer,
P. A., v. 1, No. 5, 1929, p. 75, pl. 14, fig. 6

Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
See *Meretrix perovata subvitreata* de Gregorio

- 1655 **Callista (Costacallista) planivieta** Guppy Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 89, pl. 15, figs. 2, 5, 16
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. Wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1657 **Callista (Costacallista) planivieta** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 89, pl. 15, fig. 6
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. Wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1644 **Callista reposta** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 82, pl. 13, fig. 5
Maryland-South Carolina area upper Miocene ? (early
collection)
- 1646 **Callista reposta** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 82, pl. 13, fig. 10
Maryland-South Carolina area upper Miocene ? (early
collection)
- 1636 **Callista sobrina** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 76, pl. 12, fig. 4
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1637 **Callista sobrina** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 76, pl. 12, fig. 5
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1640 **Callista sobrina** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 76, pl. 12, fig. 13
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1642 **Callista subimpresa** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 80, pl. 13, fig. 2
Popes Cr., Charles Co., Md. Nanjemoy fm., lower
Eocene
- 1643 **Callista subimpresa** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 80, pl. 13, fig. 3
Popes Cr., Charles Co., Md. Nanjemoy fm., lower
Eocene
- 1645 **Callista subimpresa** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 80, pl. 13, fig. 8
Popes Cr., Charles Co., Md. Nanjemoy fm., lower
Eocene

- 161 **Callista sylvaerupis** (Harris) Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 6; Palmer, P. A., v. 1, No. 5, 1929, p. 80, pl. 13, figs. 9, 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Meretrix subimpressa* (Conrad) "var."
- 162 **Callista sylvaerupis** (Harris) Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 7; Palmer, P. A., v. 1, No. 5, 1929, p. 80, pl. 13, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Meretrix subimpressa* (Conrad) "var."
- 954 **Callocardia (Agriopoma) gatunensis** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 146, pl. 27, figs. 5, 7
NW. $\frac{1}{4}$ H 24, SE. Savana Grande Ward, central Victoria Co., Trinidad, W. I. Miocene
- 21318 **Callocardia (Agriopoma) gatunensis** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 235, pl. 32, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 3564 **Callocardia salvia** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 41, pl. 8, fig. 10
Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 4088 **Calyptogena panamensis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 33, pl. 2, fig. 3
Burica Point, Chiriquí Prov., Pan. Burica ss., upper Miocene or lower Pliocene
- 4089 **Calyptogena panamensis** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 33, pl. 2, fig. 2
Burica Point, Chiriquí Prov., Pan. Burica ss., upper Miocene or lower Pliocene
- 4529 **Calyptraea alta** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263, pl. 31, fig. 1
Montgomery Ldg., $\frac{1}{2}$ -1 mi. below ferry, Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4530 **Calyptraea alta** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263, pl. 31, fig. 3
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 328 **Calyptraea aperta** (Solander) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 84, pl. 11, fig. 13
Greggs Ldg., Alabama R., Monroe Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene
- 329 **Calyptraea aperta** (Solander) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 84, pl. 11, figs. 14, 16
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene

- 330 ***Calyptraea aperta*** (Solander) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 84, pl. 11, fig. 15
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene
- 2459 ***Calyptraea aperta*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 145
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
(Ref. to under *Hipponix pygmaeus* Lea, large specimen)
- 2821 ***Calyptraea aperta*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 145, pl. 16, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2822 ***Calyptraea aperta*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 145, pl. 16, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2823 ***Calyptraea aperta*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 145, pl. 16, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2824 ***Calyptraea aperta*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 145, pl. 16, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4531 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 2
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4532 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 4
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4533 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 5
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 1534 ***Calyptraea aperta*** (Solander) Hypotype
Harris, and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 6
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4535 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, figs. 7, 11
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene

- 4536 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 8
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4537 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 9
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4538 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 10
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4539 ***Calyptraea aperta*** (Solander) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 260,
pl. 31, fig. 12
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4934 ***Calyptraea aperta*** (Solander) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 90, pl. 9, fig. 10
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4935 ***Calyptraea aperta*** (Solander) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 90, pl. 9, fig. 12
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4936 ***Calyptraea aperta*** (Solander) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 90, pl. 9, fig. 13
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4937 ***Calyptraea aperta*** (Solander) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 90, pl. 9, fig. 11
Keswick Hills, 4 mi. E. of Parinas Pt., near Negritos, Dept. of
Piura, Peru Parinas ss., middle Miocene
- 1104 ***Calyptraea centralis*** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 243, pl. 43, fig. 2
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 24744 ***Calyptraea centralis*** (Conrad) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 120, pl. 24, figs. 171a, b;
Perry and Schwengel, 1955, p. 129, pl. 24, figs. 171a, b
Sanibel, Lee Co., Fla. Recent
- 3627 ***Calyptraea saxosa*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 63, pl. 13, fig. 11
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene

- 3628 *Calyptraea saxosa* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 63, pl. 13, fig. 12
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 116 *Calyptraea* sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 116, pl. 12, fig. 10
R.R. cut, one and one-third mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 117 *Calyptraea* sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 116, pl. 12, fig. 11
R.R. cut, one and one-third mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 20232 *Calyptraea* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 215, depth 3341-3360 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 3759 *Calyptrophorus hopkinsi* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 68, pl. 10, fig. 2
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 4941 *Calyptrophorus hopkinsi* Olsson Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 96, pl. 15, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4942 *Calyptrophorus hopkinsi* Olsson Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 96, pl. 15, fig. 12
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 3663 *Calyptrophorus (Aulacodiscus) lissoni* (H. Douvillé) Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 73, pl. 18, figs. 1, 3
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3664 *Calyptrophorus (Aulacodiscus) lissoni* (H. Douvillé) Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 73, pl. 18, fig. 2
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3665 *Calyptrophorus (Aulacodiscus) lissoni* (H. Douvillé) Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 73, pl. 18, fig. 4
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 291 *Calyptrophorus trinodiferus* Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 70, pl. 9, figs. 2, 2a
Greggs Ldg., Alabama R. Monroe Co., Ala. middle Wilcox [Sabine] gr., lower Eocene
- 2972 *Calyptrophorus trinodiferus* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 241, pl. 31, figs. 5, 6

Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 2977 **Calyptrophorus velatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 240, pl. 32, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2978 **Calyptrophorus velatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 240, pl. 32, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2979 **Calyptrophorus velatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 240, pl. 32, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2980 **Calyptrophorus velatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 240, pl. 32, figs. 11, 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2981 **Calyptrophorus velatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 240, pl. 32, figs. 8, 13
One-half mi. below Gibsons Ldg., Ouachita R., Caldwell Par.,
La. Moodys Branch fm., lower Jackson gr., upper
Eocene
- Calyptrophorus velatus compressus** (Aldrich) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 104, pl. 10, fig. 8 (lost
prior to 1937)
One and $\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 2973 **Calyptrophorus velatus nodovelatus** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 243, pl. 32, fig. 1
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 2974 **Calyptrophorus velatus nodovelatus** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 243, pl. 32, fig. 2
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 2975 **Calyptrophorus velatus nodovelatus** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 243, pl. 32, fig. 3
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 2976 **Calyptrophorus velatus nodovelatus** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 243, pl. 32, figs. 5, 9
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene

- 4626 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, figs. 7, 10
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4627 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 8
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4628 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 5
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4629 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 11
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4630 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 6
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4631 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 9
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4632 ***Calyptrophorus velatus stamineus*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 311,
pl. 41, fig. 12
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 5189 ***Camarotoechia allegania*** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 5
Along road from Stickney to Bradford, McKean Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian
- 5190 ***Camarotoechia allegania*** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 6
W. of Kinzua, Warren Co., Pa. Oswayo fm., Conewango
stage, Upper Devonian
- 5191 ***Camarotoechia allegania*** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 7
Kinzua, Warren Co., Pa. Oswayo fm., Conewango stage,
Upper Devonian
- 5192 ***Camarotoechia allegania*** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 8

Along road from Stickney to Bradford, McKean Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian

- 5194 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 12
Along road from Stickney to Bradford, McKean Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian
- 5195 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 13
W. of Kinzua, Warren Co., Pa. Oswayo fm., Conewango
stage, Upper Devonian
- 5196 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 14
Along road from Stickney to Bradford, McKean Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian
- 5197 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 15
Kinzua, Warren Co., Pa. Oswayo fm., Conewango stage,
Upper Devonian
- 5277 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 1
Along Roosevelt highway $\frac{1}{2}$ mi. from Mt. Jewett on road to
Smethport, McKean Co., Pa. Knapp fm., ("Oil Lake
series", Caster, 1934), Lower Mississippian
- 5278 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 2
Two mi. W. of Smethport, McKean Co., Pa. Oswayo
fm., Conewango stage, Upper Devonian
- 5279 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, figs. 3, 9
Stoneham, Warren Co., Pa. Conewango stage, Upper
Devonian
- 5280 **Camarotoechia allegania** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 13, pl. 14, fig. 4
W. of Kinzua, Warren Co., Pa. Oswayo fm., Conewango
stage, Upper Devonian
- 5175 **Camarotoechia contracta** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 12, figs. 2, 4, 6, 11
Gowanda, Cattaraugus Co., N. Y. Chadakoin, Cassa-
daga stage, Chautauquan series, Upper Devonian
- 5198 **Camarotoechia contracta** (Hall) Hypotype
Caster, B.A. P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 16, 20, 21
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5199 **Camarotoechia contracta** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 17-19
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

- 5201 *Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 23, 30
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5202 *Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 24, 25
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5203 *Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 26, 27
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5204 *Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 14, figs. 28, 29
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 6037 *Camarotoechia contracta* (Hall) Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 10, pl. 1, figs. 11, 12
Lost River Range, Mt. top NE. of Grouse Cr., north half of
range, Borah Peak, Quad., Custer Co., Ida. Three Forks
fm., Upper Devonian
- Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 12, fig. 5 (lost
prior to 1937)
Locality or horizon not designated
- Camarotoechia contracta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 10, pl. 12, fig. 1 (lost
prior to 1937)
Gowanda, Cattaraugus Co., N. Y. Chadakoin, Cassa-
daga stage, Chautauquan series, Upper Devonian
- 6038 *Camarotoechia nordeggi* Kindle Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 10, pl. 1, figs. 15-17
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 6039 *Camarotoechia nordeggi* Kindle Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 10, pl. 1, fig. 22
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 5176 *Camarotoechia sappho* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, figs. 7, 12, 13
LeRoy, Genesee Co., N. Y. Marcellus fm., lower Erian
series, Middle Devonian
- 5177 *Camarotoechia sappho* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, fig. 8
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5178 *Camarotoechia sappho* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, fig. 9

Gowanda, Cattaraugus Co., N. Y. Chadakoin, Cassadaga stage, Chautauquan series, Upper Devonian

- 5179 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, figs. 10, 15-17
One mi. E. of Stoneham, Warren Co., Pa. Top of
Conewango stage, Upper Devonian
- 5180 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, fig. 14
Stone Hill, near Stoneham, Warren Co., Pa. Base of
Conewango stage, Upper Devonian
- 5181 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, fig. 18
Two mi. N. of Warren, Warren Co., Pa. Conewango
stage, Upper Devonian
- 5187 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 13, fig. 7
Two mi. N. of Warren, Warren Co., Pa. Conewango
stage, Upper Devonian
- 5188 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 13, fig. 8
Just W. of Kinzua, Warren Co., Pa. "Venango stage"
(Caster, 1937), Conewango stage, Upper Devonian
- 5200 ?**Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 14, fig. 22
Along road from Stickney to Bradford, McKean Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian
- 5274 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 13, figs. 9-12
Gowanda, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- 5275 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 13, figs. 13-15
Gowanda, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- 5276 **Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 13, figs. 16, 17
Gowanda, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- Camarotoechia sappho** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 15, pl. 12, fig. 3 (lost
prior to 1937)
Stone Hill, Stoneham, Warren Co., Pa. Base of Cone-
wango stage, Upper Devonian
- 6040 **Camarotoechia cf. shimeri** Warren Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 10, pl. 1, fig. 10
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian

- 5193 **Camarotoechia** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 9, pl. 14, figs. 10, 11
Stoneham, Warren Co., Pa. Conewango stage, Upper Devonian
- 5427A **?Camarotoechia** sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 175, pl. 7, fig. 21 (lost prior to 1937)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col Floresta series, Middle Devonian
- 6008 **Camarotoechia** sp. Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 63, pl. 6, fig. 17
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulía, Ven. Caño Grande fm., Lower-Middle Devonian
- 5943 **"Cameroceras annuliferum"** Flower Holotype
Flower, P. A., v. 3, No. 13, 1941, p. 25, pl. 1, figs. 9, 10
Ticonderoga, Essex Co., N. Y. Beekmantown gr., Canadian (Lower) Ordovician
- 3 **Camptonectes burlingtonensis** (Gabb) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 294, pl. 50, fig. 3
Rayburn's Salt Works, Sec. 24 T. 15 N., R. 5 W., 10 mi. SE. Bienville, Bienville Par., La. Upper Cretaceous
- 20387 **Cancellaria (Hertleinia) angosturana** Marks Holotype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 463, pl. 78, fig. 1
Angostura Cave on Santiago R., Esmeraldas Prov., N. Ecua. Angostura fm., lower Miocene
- 20963 **Cancellaria barretti** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 81, pl. 6, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20388 **Cancellaria casicalva** Marks Holotype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 464, pl. 78, fig. 3
Jerusalém sec., Daule Basin, N. Guayas Prov., W. Ecua. Daule fm., middle Miocene
- 20389 **Cancellaria casicalva** Marks Paratype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 464, pl. 78, fig. 10
Jerusalém sec., Daule Basin, N. Guayas Prov., W. Ecua. Daule fm., middle Miocene
- 4043 **Cancellaria (Bivetopsis) charapota** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 60, pl. 8, fig. 3
Charapota, midway between Manta and Bahía, Prov. of Manabí, W. coast of Ecua. middle Miocene
- 4047 **Cancellaria colombiana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 63, pl. 9, fig. 4
Puerto Colombia, Dept. of Atlántico, Col. Las Perdices fm., lower Miocene

- 24850 *Cancellaria conradiana* Dall Representative specimen
Perry and Schwengel, 1955, p. 190, pl. 39, fig. 276
Sanibel, Lee Co., Fla. Recent
- 20966 *Cancellaria cossmanni* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 81, pl. 6, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20968 *Cancellaria cossmanni* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 81, pl. 6, fig. 11
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22949 *Cancellaria dariena* Toula Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 50, pl. 6, fig. 8
Near Pto. Colombia or Tuberá, Dept. of Atlantico, Col.
Miocene
- 20965 *Cancellaria dariena* Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 80, pl. 6, fig. 8
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 1045 *Cancellaria epistomifera* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 193, pl. 35, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22948 *Cancellaria epistomifera acuticarinata* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 51, pl. 6, fig. 7
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 20384 *Cancellaria (Bivetiella) frizzelli* Marks Holotype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 462, pl. 78, fig. 5
Near Jerusalém, Daule Basin, N. Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20969 *Cancellaria (Aphera) islacolonis* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 86, pl. 6, fig. 12
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 25353 *Cancellaria (Narona) jayana* Keen Paratypes
Keen, B.A.P., v. 38, No. 172, 1958, p. 249
Panama Bay, 1 mi. off entrance to Panama Canal, depth 10
fm., Pan. Recent
- 317 *Cancellaria lanceolata* Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 27, pl. 3, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 24123 *Cancellaria lavelana* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 44,
pl. 24, fig. 12

E. 2.3 km. and N. 750 m. of La Vela de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven. upper middle Miocene

- 1044 **Cancellaria montserratensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 194, pl. 35, fig. 6
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 1046 **Cancellaria montserratensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 194, pl. 35, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 24122 **Cancellaria paraguanensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 44,
pl. 24, fig. 10
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. lower Miocene
- 4046 **Cancellaria (Calcarata) peninsularis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 62, pl. 11, fig. 9
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 4041 **Cancellaria penita** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 59, pl. 8, fig. 4
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 4042 **Cancellaria penita** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 59, pl. 8, fig. 8
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 4044 **Cancellaria (Charcolleria) pediciana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 61, pl. 8, fig. 5
Puerto Colombia, Dept. of Atlantico, Col. Las Perdices
fm., lower Miocene
Type species of *Charcolleria* Olsson, 1942
- 20960 **Cancellaria (Trigonostoma) plummeri** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 85, pl. 6, figs. 2, 3
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 316 **Cancellaria quercollis greggi** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 26, pl. 3, fig. 6; Harris, La.
Geol. Surv. Rpt., 1899, p. 305, pl. 54, fig. 3
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 24849 **Cancellaria reticulata** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 190, pl. 39, fig. 275
Four-six fm. off Sanibel, Lee Co., Fla. Recent

- 20964 **Cancellaria rowelli** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 84, pl. 6, fig. 7
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 22950 **Cancellaria rowelli** Dall Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 50, pl. 6, figs. 9, 10
Between Esperanza and Jesus del Monte, Dept. of Atlantico,
Col. lower-middle Miocene
- 20385 **Cancellaria (Bivetiella) santiagensis** Marks Holotype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 462, pl. 78, fig. 6
Angostura Cave on Santiago R., Esmeraldas Prov., N. Ecua.
Angostura fm., lower Miocene
- 20386 **Cancellaria (Bivetiella) santiagensis** Marks Paratype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 462
Angostura Cave on Santiago R., Esmeraldas Prov., N. Ecua.
Angostura fm., lower Miocene
- 20233 **Cancellaria** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 297, depth 4637-4641 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20390 **Cancellaria** sp. Figured specimen
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 464, pl. 78, fig. 9
Angostura Cave on Santiago R., Esmeraldas Prov., N. Ecua.
Angostura fm., lower Miocene
- 20391 **Cancellaria sursalta** Marks Holotype
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 461, pl. 78, fig. 4
Zacachún corehole, depth 140-150 ft., Progreso Basin, Guayas
Prov., SW. Ecua. Subibaja fm., uppermost lower
Miocene
- 20392 **Cancellaria sursalta** Marks Paratypes
Marks, Jour. Pal., v. 23, No. 5, 1949, p. 461 (2 specimens)
Zacachún corehole, depth 140-150 ft., Progreso Basin, Guayas
Prov., SW. Ecua. Subibaja fm., uppermost lower
Miocene
- 4045 **Cancellaria (Charcolleria) terryi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 62, pl. 8, fig. 1
Quebrada Peñitas, Puntarenas Prov., C. R. Charco
Azul fm., Pliocene
- 20961 **Cancellaria (Trigonostoma) toroensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 84, pl. 6, fig. 4
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2273 **Cancellaria (Narona) trema** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 162, pl. 15, fig. 11
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene

- 2274 **Cancellaria (Narona) trema** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 162, pl. 15, fig. 12
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 24098 **Cancellaria urumacoensis** H. K. Hodson Holotype
Hodson, F., and Hodson H. K., B.A.P., v. 16, No. 59, 1931, p. 45,
pl. 18, fig. 2
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24099 **Cancellaria urumacoensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 45,
pl. 18, fig. 3
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24114 **Cancellaria venezuelana** H. K. Hodson Holotype
Hodson, F., and Hodson H. K., B.A.P., v. 16, No. 59, 1931, p. 45,
pl. 23, fig. 1
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24116 **Cancellaria venezuelana** H. K. Hodson Paratype
Hodson, F., and Hodson H. K., B.A.P., v. 16, No. 59, 1931, p. 45,
pl. 23, fig. 4
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 3313 **Cancelrana finexa** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 456, pl. 70, figs. 15, 26
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
Type species of *Cancelrana* Palmer, 1937
- 25454 **Cancris cubensis** Cushman and Bermudez Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 197, pl. 16, figs. 1, 12 [D.K.P. slide 191.9-18 (32)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 22387 **Cancris sagra** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22388 **Cancris sagra** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22389 **Cancris sagra** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22390 *Canceris sagra* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22391 *Canceris sagra* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22392 *Canceris sagra* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 359, pl. 48, fig. 4
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22393 *Canceris sagra* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 359, pl. 48, figs. 7a-c
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22394 *Canceris sagra* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359, pl. 48, figs. 3a-c
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22395 *Canceris sagra* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359, pl. 48, figs. 5a-c
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22396 *Canceris sagra* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 359
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 25121 *Canceris sagra* (d'Orbigny) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 22, pl. 3, figs. 7, 8
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 4073 *Cantharus amycus* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 68, pl. 11, fig. 1
Burica Point, Chiriquí Prov., Pan. Burica ss., upper
Miocene or lower Pliocene
- 3100 *Cantharus casteri* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 322, pl. 45, figs. 13, 17
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 24906 *Cantharus floridanus* (Conrad) Hypotype
Perry and Schwengel, 1955, p. 163, pl. 50, fig. 342 (egg capsules)
Sanibel, Lee Co., Fla. Recent
- 24902 *Cantharus multangulus* (Philippi) Hypotype
Perry and Schwengel, 1955, p. 163, pl. 50, figs. 340a, b (egg cap-
sule)
Sanibel, Lee Co., Fla. Recent

- 24790 **Cantharus multangulus** (Philippi) Representative specimen
Perry and Schwengel, 1955, p. 163, pl. 31, fig. 219
Sanibel, Lee Co., Fla. Recent
- 20474 **Cantharus (Triumphis) predistortus** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 117, pl. 7, fig. 11
Twenty km. N. 81° E. of Calceta, N. Daule Basin, Manabí
Prov., W. Ecua. Daule fm., middle Miocene
- 20475 **Cantharus (Triumphis) predistortus** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 117, pl. 7, fig. 10
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20476 **Cantharus (Triumphis) predistortus** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 117
Near Pedro Carbo, S. Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20477 **Cantharus (Triumphis) predistortus** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 117, pl. 7, fig. 8
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20478 **Cantharus (Triumphis) predistortus** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 117
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20479 **Cantharus (Triumphis) predistortus** Marks Paratypes
Marks, B.A.P., v. 33, No. 139, 1951, p. 117
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 24803 **Cantharus tinctus** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 162, pl. 32, figs. 232a, b
Sanibel, Lee Co., Fla. Recent
- 24909 **Cantharus tinctus** (Conrad) Hypotype
Perry and Schwengel, 1955, p. 162, pl. 51, fig. 348 (egg capsules
and embryo)
Sanibel, Lee Co., Fla. Recent
- 1541 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 8, figs.
1, 2; pl. 9, fig. 3(2 pieces)
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1542 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 8, figs.
3, 4
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1543 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 8, fig. 5

Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous

- 1544 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 8, fig. 6
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1545 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 8, fig. 7
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1548 **Caprina plumensis** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 16, pl. 9, fig. 4
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 4542 **Capulus americanus** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263,
pl. 32, fig. 8
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4543 **Capulus americanus** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263,
pl. 32, fig. 12
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4544 **Capulus americanus** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263,
pl. 32, fig. 14
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4545 **Capulus americanus** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263,
pl. 32, fig. 13
Little stream back of Bunker Hill, Ouachita R., Caldwell Par.,
La. Moodys Branch fm., lower Jackson gr., upper
Eocene
- 4546 **Capulus americanus** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 263,
pl. 32, fig. 15
One mi. below Gibson Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 326 **Capulus expansus** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 83, pl. 11, fig. 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene
- 327 **Capulus expansus** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 83. pl. 11, fig. 12
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene

- 20234 **Capulus** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Tia Juana No. 2, depth 3298-3308 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21250 **Cardita caribbeanensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 214, pl. 26, fig. 22
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24635 **Cardita floridana** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 60, pl. 10, fig. 56
Sanibel, Lee Co., Fla. Recent
- 21325 **Cardita matima** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 215, pl. 32, fig. 8
Old Man Sam Creek one mi. S. from shore, Limon Prov. C. R.
Gatun fm., middle Miocene
- 1848 **Cardita** sp. Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 25,
pl. 3, fig. 4
From 85.7 km. from Luanda on the Luanda-Malange R.R. be-
tween Cachari and Barraca, Angola (loc. S 7) Quim-
briz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 4862 **?Cardium abnormalis** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 50, pl. 17, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4 **Cardium alabamense** Gabb Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 294, pl. 50, fig. 4
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 3730 **Cardium amotapense** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 51, pl. 5, fig. 1
Monte Grande, lat° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 925 **Cardium (Fragum) antillarum** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 134, pl. 23, fig. 5
Gulf of Paria near Farallon Rock, W. coast of Trinidad, W. I.
Recent
- 22925 **Cardium (Cerastoderma) brantlyi** Weisbord Holotype
Weisbord, B. A.P., v. 14, No. 54, 1929, p. 19, pl. 4, fig. 7
Morro Hermoso, Dept. of Atlantico, Col. Miocene
- 4827 **Cardium (Perucardia) brüggeni** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 52, pl. 5, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
Type species of *Perucardia* Olsson, 1944

- 4827a **Cardium (Perucardia) brüggeri** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 52, pl. 5, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4828 **Cardium (Perucardia) brüggeri** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 52, pl. 5, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4829 **Cardium (Perucardia) brüggeri** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 52, pl. 5, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 24509 **Cardium cf. cabezai** (Gardner) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, figs. 3, 4
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 893 **Cardium (Trachycardium) caroniensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 124, pl. 22, fig. 4
Springvale*, [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 922 **Cardium (Fragum) castum** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 132, pl. 23, fig. 2
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 923 **Cardium (Fragum) castum** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 132, pl. 23, fig. 3
Brasso sec. near bridge at Tamana rd. junc., probably SE.
Caroni Co., Trinidad, W. I. Manzanilla fm., Miocene
- 927 **Cardium (Fragum) castum** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 132, pl. 23, fig. 7
Brasso sec. near bridge at Tamana rd. junc., SE. Caroni Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 926 **Cardium (Fragum) castum brassicum** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 133, pl. 23, fig. 6
One half mi. above Brasso, Montserrat Ward, SE. Caroni Co.,
Trinidad, W. I. Brasso fm., Miocene
- 1142 **Cardium (Trachycardium) claibornense** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 132, pl. 41, fig. 8a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21254 **Cardium (Trachycardium) costaricanum** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 226, pl. 27, fig. 3
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 932 **Cardium (Trachycardium) couvense** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 128, pl. 23, fig. 12

Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

- 21253 *Cardium (Trachycardium) dominicense* Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 225, pl. 27, fig. 2
E. Grape Point Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 2207 *Cardium (Dinocardium) ecuadoriale* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 97, pl. 8, fig. 1 [*C. ecuadorialis* on pp. 26, 97]
Between Amen and Playas along R.R. cuts, SW. Ecua. lower Miocene
- 24510 *Cardium ?eversum* Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 5
Dixie Lime Products Co., "dump", Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24514 *Cardium eversum* Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 9
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24515 *Cardium eversum* Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 10
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 2210 *Cardium (Trigoniocardia) hannai* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 99, pl. 8, fig. 4
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2215 *Cardium (Trigoniocardia) hannai* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 99, pl. 8, fig. 9
La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2216 *Cardium (Trigoniocardia) hannai* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 99, pl. 8, fig. 10
La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2217 *Cardium (Trigoniocardia) hannai* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 99, pl. 8, fig. 11
La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 1141 *Cardium harrisi* Vaughan Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 131, pl. 41, fig. 7
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Libson fm.], upper Claiborne gr., middle Eocene
- 158 *Cardium ?hatchetigbeense* Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 60, pl. 12, fig. 3

- Sabinetown, Sabine Co., Tex. Sabinetown fm., upper
Wilcox [Sabine] gr., lower Eocene
- 21261 **Cardium (Fragum) heredium** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 227, pl. 27, fig. 10
Río Betey, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3860 **Cardium (Cerastoderma) himertum** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 11, pl. 3, fig. 6
Quebrada Salado, about 10 mi. NE. of Talara, Dept. of Piura,
Peru Restin fm., middle Eocene
- 894 **Cardium (Trachycardium) isocardia** Linnaeus Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 125, pl. 22, fig. 5
La Guaira, Dto. Fed., Ven. Recent
- 896 **Cardium (Trachycardium) isocardia** Linnaeus Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 125, pl. 22, fig. 7
La Guaira, Dto. Fed., Ven. Recent
- 24165 **Cardium junceum** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 25, pl. 2, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24171 **Cardium junceum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 25, pl. 2, fig. 10
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 937 **Cardium (Trachycardium) linguaeonist** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 126, pl. 23, fig. 17
Bowden, Port Morant, St. Thomas-in-the-East Par., SE. shore
of Jamaica, W. I. Bowden fm., middle Miocene
- 3732 **Cardium cf. lissoni** Brüggén Hypotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 52, pl. 5, fig. 3
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 1859 **Cardium luculensis** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 16,
pl. 4, fig. 1
Cliffs just N. of mouth of Luculo R., near Quimbriz Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1860 **Cardium luculense** Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 16
pl. 4, fig. 2
Cliffs just N. of mouth of Luculo R., near Quimbriz Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 25011 **Cardium luculense** Caster Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 66

Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene

- 933 **Cardium (Trachycardium) machapooriense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 131, pl. 23, fig. 13
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 938 **Cardium (Trachycardium) machapooriense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 131, pl. 23, fig. 18
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 924 **Cardium (Fragum) manzanillense** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 133, pl. 23, fig. 4
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 921 **Cardium (Fragum) maturense** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 135, pl. 23, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 929 **Cardium (Fragum) maturense** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 135, pl. 23, fig. 9
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 939 **Cardium (Fragum) medium** Linnaeus Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 131, pl. 23, fig. 19
Grenada I., W. I. Recent
- 21257 **Cardium (Fragum) medium** Linnaeus Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 226, pl. 27, fig. 6
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 4830 **Cardium (Incacardium) mellisum** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 53, pl. 5, figs. 2, 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Incacardium* Olsson, 1944
- 4831 **Cardium (Incacardium) mellisum** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 53, pl. 5, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 930 **Cardium (Fragum) mirandense** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 135, pl. 23, fig. 10
Dist. of Miranda, St. of Zulia, Ven. lower Miocene
- 897 **Cardium (Trachycardium) muricatum** Linnaeus Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 127, pl. 22, fig. 9
Erin Point SW. shore, S. Erin Ward, S. central St. Patrick
Co., Trinidad, W. I. Recent

***Cardium nicolletti* Conrad**See *Protocardia nicolletti* (Conrad)

- 1143 ***Cardium ouachitense* Harris** Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 132, pl. 42, fig. 1
Long Pt., $\frac{1}{2}$ mi. below Alabama Ldg., Ouachita R., Union Par.,
La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 928 ***Cardium* (*Fragum*) *periimaris*† Maury** Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 136, pl. 23, fig. 8
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 3585 ***Cardium* (*Ringicardium*) *restinense* Olsson** Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 31, pl. 11, fig. 1
Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 3586 ***Cardium* (*Fragum*) *samanicum* Olsson** Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 32, pl. 11, fig. 2 (not Dall
as on p. 32)
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 891 ***Cardium sanctidavidis*† Maury** Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 129, pl. 22, fig. 3
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 1861 ***Cardium sandigii* Caster** Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 17,
pl. 5, figs. 10, 12
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 935 ***Cardium serratense* Maury** Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 131, pl. 23, fig. 15
One half mi. above Brasso station, Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 934 ***Cardium* (*Laevicardium*) *serratum* Linnaeus** Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 138, pl. 23, fig. 14
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 21262 ***Cardium* (*Laevicardium*) *serratum* Linnaeus** Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 228, pl. 27, fig. 11
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21263 ***Cardium* (*Laevicardium*) *serratum* Linnaeus** Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 228, pl. 27, fig. 12
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

- 22924 **Cardium (Laevicardium) serratum** Linnaeus Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 20, pl. 4, fig. 6
Near Usiacura, Dept. of Atlantico, Col. Miocene
- 20137 **Cardium** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1668, pl. 7, fig. 7
N. side of highway 150 m. E. of Puente Gomez, Rio Carache,
Dist. of Carache, St. of Trujillo, Ven. Misoa fm., upper
Eocene
- 24517 **Cardium** sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 12
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24511 **Cardium** sp. (with pointed beak) Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 6
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24512 **Cardium** sp. (with pointed beak) Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 7
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24513 **Cardium** sp. (with pointed beak) Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 8
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24516 **Cardium** sp. (with pointed beak) Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 11
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 2209 **Cardium (Trigoniocardia) spiekeri**
Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 100, pl. 8, fig. 3
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2213 **Cardium (Trigoniocardia) spiekeri**
Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 100, pl. 8, fig. 7
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 21252 **Cardium (Papyridea) spinosum turtoni** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 228, pl. 27, fig. 1
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 2214 **Cardium (Americardia) stewarti** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 101, pl. 8, fig. 8
Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
Dept. of Tumbes, Peru upper Oligocene or lower Miocene

- 21255 **Cardium (Trachycardium) striatum** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 225, pl. 27, fig. 4
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21256 **Cardium (Trachycardium) striatum** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 225, pl. 27, fig. 5
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 895 **Cardium (Trachycardium) tamanense** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 129, pl. 22, fig. 6
"E. central E 25", NE. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Tamana fm., Miocene
- 159 **Cardium tuomeyi** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 60, pl. 12, fig. 4
Nanafalia Ldg., Tombigbee R., Marengo Co., Ala. lower
Wilcox [Sabine] gr., lower Eocene
- 20121 **Cardium tuomevi** Aldrich [?] Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
In fork between two small quebradas approx. 1 km S. 41° E.
of well Sibucara No. 4, Cojoro Structure, Cañada Honda area,
Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm.,
upper Eocene
- 20130 **Cardium tuomeyi** Aldrich [?] Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No.
4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St.
of Zulia, Ven. Las Flores fm., upper Eocene
- 931 **Cardium (Trachycardium) venadense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 130, pl. 23, fig. 11
Brasso Venada Ravine, 3 mi. E. of Brasso station, E. Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. Man-
zanilla fm., Miocene
- 936 **Cardium (Trachycardium) venadense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 130, pl. 23, fig. 16
Brasso Venada Ravine, 3 mi. E. Brasso station, E. Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. Man-
zanilla fm., Miocene
- 3224 **Caricella bolaris** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 393, pl. 64, figs. 1, 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3225 **Caricella bolaris** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 393, pl. 64, figs. 2, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3226 **Caricella claibornensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 396, pl. 64, figs. 3, 4

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3237 *Caricella demissa texana* (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 395, pl. 65, figs. 14, 15
Hammett's Branch, SW. $\frac{1}{4}$ Sec. 30, T. 18 N., R. 6 W., about
2 mi. NE. of Mt. Lebanon, Bienville Par., La. Cook Mt.
fm., upper Claiborne gr., middle Eocene
- 3229 *Caricella doliata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 391, pl. 64, figs. 9, 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3230 *Caricella doliata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 391, pl. 64, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4757 *Caricella howei* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 396,
pl. 54, fig. 7
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4758 *Caricella howei* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 396,
pl. 54, fig. 8
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 3446 *Caricella isabellae* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 17, pl. 4, fig. 7
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3446a *Caricella isabellae* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 17 (2 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 94 *Caricella leana* Dall Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 80, pl. 7, fig. 20
Dale's Branch, near Oak Hill, Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 4752 *Caricella polita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 394,
pl. 54, fig. 1
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4753 *Caricella polita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 394,
pl. 54, fig. 2
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene

- 4754 **Caricella polita** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 394,
pl. 54, figs. 4, 9
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4759 **Caricella polita** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 394,
pl. 54, fig. 14
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 3227 **Caricella praetenuis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 394, pl. 64, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3228 **Caricella praetenuis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3216 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, figs. 1, 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3217 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, figs. 2, 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3219 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3221 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3222 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3223 **Caricella pyruloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 390, pl. 63, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3218 **Caricella pyruloides polita** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 391, pl. 63, figs. 4, 7
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 3238 **Caricella reticulata** Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 12

- Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 3239 *Caricella reticulata* Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 13
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 3240 *Caricella reticulata stenzeli* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 17
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3241 *Caricella reticulata stenzeli* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 18
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3242 *Caricella reticulata stenzeli* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 19
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3243 *Caricella reticulata stenzeli* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 397, pl. 65, fig. 20
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3198 *Caricella* sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 398, pl. 61, fig. 1
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4756 *Caricella subangulata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 395,
pl. 54, figs. 10, 13
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3220 *Caricella subangulata cherokeensis* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 396, pl. 63, fig. 8
Little Brazos R. 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 4760 *Caricella turneri* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 396,
pl. 54, fig. 3
Montgomery, ½ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4761 *Caricella turneri* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 396,
pl. 54, fig. 5
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 20235 *Carinodrillia* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695

Well Tía Juana No. 147, depth 3331-3341 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene

- 3530 **Carolia (Parinomya) parinensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 20, pl. 3, figs. 1, 3
Near Negritos, Dept. of Piura, Peru Parinas fm., middle Eocene
Type species of *Parinomya* Olsson, 1928
- 3531 **Carolia (Parinomya) parinensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 20, pl. 3, fig. 2
Near Negritos, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3532 **Carolia (Parinomya) parinensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 20, pl. 3, fig. 4
Near Negritos, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3525 **Carolia peruviana** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 19, pl. 2, fig. 1
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 25474 **Carpenteria** sp. Figured specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 300, pl. 28, fig. 4 [D.K.P. slide 191.9-18 (98)]
NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25457 **Cassiculina palmerae intermedia** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 282, pl. 28, figs. 2a, b [D.K.P. slide 191.9-18 (82)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 3658 **Cassidea maccormacki** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 75, pl. 17, figs. 5, 6
Near Lagunitos,* Dept. of Piura, Peru Talara fm., lower upper Eocene
- 20572- **Cassidulina galvinensis** Cushman and Frizzell Paratypes
20575 Cushman and Frizzell, Cushman Lab. Foram. Res., Contr., v. 16, pt. 2, 1940, p. 43, pl. 8, fig. 10; Marks, Micropal., v. 6, No. 4, 1952, p. 34 (not *calvinensis* as on p. 34)
R. R. cut along the O. W. R. R. and N. Co., R. R., SW. $\frac{1}{4}$ Sec. 27, T. 15 N., R. 3 W., 0.25 mi. N. of Galvin, Lewis Co., Wash.
Lincoln fm., lower Oligocene
- 21689 **Cassidulina globosa** Hantken Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 32
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21739 **Cassidulina globosa** Hantken Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 16

Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene

- 21673 *Cassidulina lomitensis mexicana* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 32, pl. 5, figs. 4, 5
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25150 *Cassidulina subglobosa* H. B. Brady Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 23
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oligocene
- 20053 *Cassidulinoides parkerianus* (Brady) Hypotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 66, pl. 1, figs. 4a, 4b
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 3801 *Cassidulus cubensis* Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 28, pl. 2, figs. 9-11
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch on Central San Antonio R.R., E. Habana Prov., Cuba
lower upper Cretaceous
- 21082 *Cassis (Phalium) moniliferum* Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 135, pl. 12, fig. 11
Río Betey, Limon Prov., C. R. Gatun fm., middle Miocene
- 20097 *Castalioides laddi* Marshall Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 17, pl. 2, fig. 17
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20098 *Castalioides laddi* Marshall Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 17, pl. 2, fig. 18
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20099 *Castalioides laddi* Marshall Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 17, pl. 2, figs. 19, 22
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20100 *Castalioides laddi* Marshall Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 17, pl. 2, fig. 20
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20101 *Castalioides laddi* Marshall Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 17, pl. 2, fig. 21

E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene

- 5363 *Casteroceras alternatum* (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 47, pl. 5, figs. 4, 5
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
Type species of *Casteroceras* Flower, 1936
- 5364 *Casteroceras alternatum* (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 47
Cherry Valley, Otsego Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 3799 *Catopygus jeanneti* Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 30, pl. 2, figs. 4-6
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower upper Cretaceous
- 3800 *Catopygus jeanneti* Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 30, pl. 2, figs. 7, 8
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R. R., E. Habana Prov., Cuba
lower upper Cretaceous
- 20424 *Cavilucina* (*Pegophysema*) cf. *sechura* (Olsson) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 68, pl. 4, fig. 4
W. of Carribal, N. Progreso Basin, Guayas Prov., W. Ecua.
Subibaja fm., lower Miocene
- 20425 *Cavilucina* (*Pegophysema*) *thalmanni* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 68, pl. 4, fig. 9
N. of Paján, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20426 *Cavilucina* (*Pegophysema*) *thalmanni* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 68
N. of Paján, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20427 *Cavilucina* (*Pegophysema*) *thalmanni* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 68
N. of Paján, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 5855 *Cayutoceras casteri* Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 156, pl. 1, fig. 10, pl. 3,
fig. 1
Two mi. S. of Owego, Tioga Co., N. Y. Cayuta sh.,
Upper Devonian
Type species of *Cayutoceras* Flower, 1939
- 5856 *Cayutoceras casteri* Flower Paratype
Flower, P. A., v. 2, No. 10, 1939, p. 156; missing in 1956
Two mi. S. of Owego, Tioga Co., N. Y. Cayuta sh.,
Upper Devonian

- 5857 **Cayutoceras casteri** Flower Paratype
 Flower, P. A., v. 2, No. 10, 1939, p. 156
 Two mi. S. of Owego, Tioga Co., N. Y. Cayuta sh.,
 Upper Devonian
- 5371 **Centroceras marcellense** (Vanuxem) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 56, pl. 8, fig. 6
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 21684 **Ceratobulimina declivis mexicana** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 31, pl. 5, fig. 16
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 20375 **Cerion aguayoi** Torre and Clench "Paratype" [Topotype]
 Torre and Clench, Nautilus, v. 45, No. 3, 1932, p. 89, (4 speci-
 mens)
 Camino de Caletones, 6 km. W. of Gibara, Oriente Prov., Cuba
 Coll. P. J. Bermudez Recent
- 20378 **Cerion gundlachi bermudezi** Aguayo and Jaume
 "Paratype" [Topotype]
 Aguayo and Jaume, Revista Soc. Mal., v. 8, No. 1, 1951, p. 4
 (2 specimens)
 Punta Brava, Caibarién, Santa Clara Prov., Cuba Coll. P. J.
 Bermudez Recent
- 20377 **Cerion macrodon** Aguayo and Jaume "Paratype" [Topotype]
 Aguayo and Jaume, Revista Soc. Mal., v. 8, No. 1, 1951, p. 12
 (6 specimens)
 Cayo Borracho, N. Santa Clara Prov., Cuba Coll. P. J.
 Bermudez Recent
- 20376 **Cerion sanctamariae** Aguayo and Jaume "Paratype" [Topotype]
 Aguayo and Jaume, Revista Soc. Mal., v. 8, No. 1, 1951, p. 13
 (6 specimens)
 Cayo Santa María, N. Santa Clara Prov., Cuba Coll. P. J.
 Bermudez Recent
- 24772 **Cerithidea costata** (da Costa) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 133, pl. 28, fig. 199; Perry
 and Schwengel, 1955, p. 143, pl. 28, fig. 199
 Sanibel, Lee Co., Fla. Recent
- 24774 **Cerithidea costata turrita** Stearns Representative specimen
 Perry and Schwengel, 1955, p. 143, pl. 28, fig. 201
 Sanibel, Lee Co., Fla. Recent
- 24773 **Cerithidea scalariformis** Say Representative specimen
 Perry and Schwengel, 1955, p. 144, pl. 28, fig. 200
 Sanibel, Lee Co., Fla. Recent
- 2941 **Cerithiella heckscheri** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, fig. 1
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene

- 2942 ***Cerithiella heckscheri*** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, figs. 5, 6
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2943 ***Cerithiella heckscheri*** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, fig. 13
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2944 ***Cerithiella heckscheri*** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, fig. 14
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4616 ***Cerithiella jacksonensis*** (Meyer) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 305,
 pl. 39, fig. 5
 One half mi. below Gibson Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2945 ***Cerithiella nassula*** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 224, pl. 29, fig. 3
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2946 ***Cerithiella nassula*** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 224, pl. 29, fig. 9
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4617 ***Cerithiella ouachitensis*** Palmer Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 306,
 pl. 39, fig. 10
 One half mi. below Gibson Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2947 ***Cerithiella preconica*** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, fig. 4
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2948 ***Cerithiella preconica*** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 227, pl. 29, fig. 8
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2929 ***Cerithioderma prima*** Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 213, pl. 28, figs. 2, 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 293 ***Cerithiopsis conica*** Aldrich Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 73, pl. 9, fig. 8
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene

- 24764 ***Cerithiopsis emersonii*** (C. B. Adams) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 130, pl. 27, fig. 191;
 Perry and Schwengel, 1955, p. 140, pl. 27, fig. 191
 Sanibel, Lee Co., Fla. Recent
 See *Cerithiopsis subulata* Montagu
- 24763 ***Cerithiopsis greeni*** (C. B. Adams) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 129, pl. 27, fig. 190;
 Perry and Schwengel, 1955, p. 140, pl. 27, fig. 190
 Sanibel, Lee Co., Fla. Recent
- 3465 ***Cerithiopsis ogilvies*** Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 27, pl. 7, fig. 3 (crushed)
 Bailey's Ferry, Chipola R., Calhoun Co., or Oak Grove, Oka-
 loosa Co., Fla. lower-upper lower Miocene
- 3465a ***Cerithiopsis ogilvies*** Maury Paratype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 27, (11 specimens)
 Bailey's Ferry, Chipola R., Calhoun Co., or Oak Grove, Oka-
 loosa Co., Fla. lower-upper lower Miocene
- 3881 ***Cerithiopsis quemada*** Olsson Holotype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 21, pl. 6, fig. 9
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 1361 ***Cerithiopsis (Heterocerithiopsis) smithfieldensis*** Olsson
 Holotype and unfigured paratype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 16, pl. 1, fig. 7
 James R., N. of Smithfield, Isle of Wight Co., Va.
 Yorktown fm., upper Miocene
 Type species of *Heterocerithiopsis* Olsson, 1916
- 24764 ***Cerithiopsis subulata*** Montagu Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 130, pl. 27, fig. 191
 Sanibel, Lee Co., Fla. Recent
 See *Cerithiopsis emersonii* (C. B. Adams)
- 294 ***Cerithiopsis terebropsis*** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 73, pl. 9, fig. 9
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine], gr., lower Eocene
- 24766 ***Cerithium algicola*** C. B. Adams Representative specimen
 Perry and Schwengel, 1955, p. 141, pl. 27, fig. 193
 Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 3642 ***Cerithium boweni*** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 69, pl. 15, fig. 1
 Restin, Dept. of Piura, Peru Pale Greda fm.,* lower
 Eocene
- 21066 ***Cerithium costaricense*** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 143, pl. 10, fig. 28
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene

- 24767 *Cerithium floridanum* Moersch Representative specimen
Perry and Schwengel, 1955, p. 142, pl. 27, fig. 194
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 40 *Cerithium gainesense* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 106, pl. 11, fig. 1
Chattahoochee R., Ft. Gaines, Clay Co., Ga. Midway
gr., Paleocene
- 41 *Cerithium globoleve* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 106, pl. 11, fig. 2
Clayton, Barbour Co., Ala. Clayton fm., lower Midway
gr., Paleocene
- 3646 *Cerithium hopkinsi* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 68, pl. 16, fig. 1
Quebrada Botija, NW. Peru Restin fm., middle Eocene
- 3645 *Cerithium iddingsi* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 68, pl. 15, fig. 4
Two mi. E. of Negritos, Dept. of Piura, Peru Pale
Greda fm.,* lower Eocene
- 3861 *Cerithium (Iddingsia) laeviusculum* Gabb Hypotype
Olsson, B.A.P., v. 15, N. 57, 1929, p. 15, pl. 4, fig. 1
Paita, Dept. of Piura, Peru Saman fm., upper Eocene
For *Iddingsia* see *Iddingsella* Olsson, B.A.P., v. 28, No. 111,
1944, p. 6
Type species of *Iddingsia* Olsson, 1929
- 3864 *Cerithium (Iddingsia) laeviusculum* Gabb Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 15, pl. 4, fig. 4
Paita, Dept. of Piura, Peru Saman fm., upper Eocene
For *Iddingsia* see *Iddingsella* Olsson, B.A.P., v. 28, No. 111,
1944, p. 6
- 3862 *Cerithium (Iddingsia) laeviusculum saladoense* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 16, pl. 4, fig. 2
Quebrada Salado, about 10 mi. NE. of Talara, Dept. of Piura,
Peru Restin fm., middle Eocene
For *Iddingsia* see *Iddingsella* Olsson, B.A.P., v. 28, No. 111,
1944, p. 6
- 3863 *Cerithium (Iddingsia) laeviusculum saladoense* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 16, pl. 4, fig. 3
Quebrada Salado, about 10 mi. NNE. of Talara, Dept. of Piura,
Peru Restin fm., middle Eocene
For *Iddingsia* see *Iddingsella* Olsson, B.A.P., v. 28, No. 111,
1944, p. 6
- 2086 ?*Cerithium macarum* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 87, pl. 16, fig. 3
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 42 *Cerithium mediaviae* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 107, pl. 11, fig. 3

R.R. cut, 1 1/3 mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene

- 20823 **?Cerithium mirimense** Jenkins Syntype
Jenkins, Amer. Philos. Soc. Proc., v. 52, No. 211, 1913, p. 450,
pl. 20, figs. 8, 8a (fragment)
Itapasaroca, Natal, Prov. of Rio Grande do Norte, Brazil
Upper Cretaceous
- 24771 **Cerithium muscarum** Say Representative specimen
Perry and Schwengel, 1955, p. 142, pl. 27, fig. 198
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 3868 **Cerithium (Perucerithium) restinense** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 5, fig. 1
Restin, Dept. of Piura, Peru Parinas fm., middle Eocene
Type species of *Perucerithium* Olsson, 1929
- 3869 **Cerithium (Perucerithium) restinense** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 5, fig. 2
Restin, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3870 **Cerithium (Perucerithium) restinense** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 5, fig. 3
Restin, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3871 **Cerithium (Perucerithium) restinense** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 5, fig. 4
Restin, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3872 **Cerithium (Perucerithium) restinense** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 5, fig. 7
Restin, Dept. of Piura, Peru Parinas fm., middle Eocene
- 2930 **"Cerithium" solitarium** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 215, pl. 28, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3764 **Cerithium** sp. Figured specimen
Olsson, B.A.P., v. 20, No. 69, 1934, p. 66, pl. 10, fig. 8
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 24768 **Cerithium variabile** C. B. Adams Representative specimen
Perry and Schwengel, 1955, p. 142, pl. 27, fig. 195
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 3651 **Cerithium xenium** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 70, pl. 16, fig. 6
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 24832 **Cerodrillia clappi** Bartsch and Rehder
Representative specimen
Perry and Schwengel, 1955, p. 181, pl. 38, fig. 260
Four-six fm. off Sanibel, Lee Co., Fla. Recent

- 24833 **Cerodrillia perryae** Bartsch and Rehder Representative specimen
Perry and Schwengel, 1955, p. 182, pl. 38, fig. 260a
Four-seven fm. off Sanibel, Lee Co., Fla. Recent
- 24835 **Cerodrillia schroederi** Bartsch and Rehder Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 165, pl. 38, fig. 262; Perry
and Schwengel, 1955, p. 182, pl. 38, fig. 262
Four-seven fm. off Sanibel, Lee Co., Fla. Recent
- 24834 **Cerodrillia thea** Dall Representative specimen
Perry and Schwengel, 1955, p. 182, pl. 38, fig. 261
Four-seven fm. off Sanibel, Lee Co., Fla. Recent
- 24583 **Chaetopleura apiculata** (Say) Representative specimen
Perry and Schwengel, 1955, p. 26, pl. 1, fig. 2
Sanibel, Lee Co., Fla. Recent
- 22815 **Chama berjadinensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 51, pl. 30, fig. 4
St. of Falcón, Ven. Miocene
- 22817 **Chama berjadinensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 51, pl. 30, fig. 8
Berjardín, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. Miocene
- 22818 **Chama berjadinensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 51, pl. 30, fig. 10; pl. 31, figs. 2, 3
St. of Falcón, Ven. Miocene
- 22823 **Chama berjadinensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 51, pl. 31, fig. 5
N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 22813 **Chama buchivacoana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, fig. 3
NE. of Cauderalito,* Dist. of Buchivacoa, St. of Falcón, Ven.
upper Agua Clara fm., upper Oligocene
- 22816 **Chama buchivacoana** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, figs. 6, 9
Camuruquito, N. of Cauderalito,* S. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 22819 **Chama buchivacoana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, fig. 11
Camuruquito, N. of Cauderalito,* S. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene

- 22820 *Chama buchivacoana* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, fig. 12
Camuruquito, N. of Cauderalito,* S. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 14923 *Chama congregata* Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14924 *Chama congregata* Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14951 *Chama congregata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 14955 *Chama congregata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 14991 *Chama congregata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14992 *Chama congregata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 6 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 21275 *Chama congregata* Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 218, pl. 28, fig. 11
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24638 *Chama congregata* Conrad Representative specimen
Perry and Schwengel, 1955, p. 61, pl. 10, fig. 59
Sanibel, Lee Co., Fla. Recent
- 22921 *Chama corticosaformis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 18, pl. 4, figs. 2, 3
Near Pto. Colombia or Tuberá, Dept. of Atlantico, Col.
Miocene
- 22922 *Chama corticosaformis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 18, pl. 4, fig. 4
Near Pto. Colombia or Tuberá, Dept. of Atlantico, Col.
Miocene
- 67 *Chama gainesensis* Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 66, pl. 6, fig. 4
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene

- 68 **Chama gainesensis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 66, pl. 6, fig. 4a
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 975 **Chama involuta** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 168, pl. 29, fig. 3
"Brasso Creek" = Caparo R., Montserrat Ward, SE. Caroni
Co., Trinidad, W. I. Brasso fm., Miocene
- 24639 **Chama macerophylla** Gmelin Representative specimen
Perry and Schwengel, 1955, p. 62, pl. 10, fig. 60
Sanibel, Lee Co., Fla. Recent
- 4341 **Chama ?mississippiensis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 92,
pl. 20, figs. 14, 15
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 1139 **Chama monroensis?** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 130, pl. 41, fig. 2
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 1140 **Chama monroensis?** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 130, pl. 41, fig. 3
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 22812 **Chama quirosana** F. Hodson Holotype
Hodson, F., Hodson, H.K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, figs. 1, 5, 7
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 22813 **Chama quirosana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 50, pl. 30, fig. 2
Oil seep at El Mene de Saladillo 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 20139 **Chama** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1668
N. side of highway about 150 m. E. of Puente Gomez, Río
Carache, Dist. of Carache, St. of Trujillo, Ven. Misoa
fm., upper Eocene
- 20182 **Chelonicerias** aff. **cornuelianus** d'Orbigny [= "cf. cornuel" in
error] Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 3, fig. 3
Curiti, 10 km. NE. of San Gil, Dept. of Santander, Col.
Apón fm., Middle Cretaceous (Albian)
- 20172 **Chelonicerias** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1643
From first forest-covered talus slope in weathered gap between
limestone hills, S. side of Río Negro, Dist. of Perijá, St. of
Zulia, Ven. Found in concretions weathered out of
black, calcareous shale, Apón fm., Middle Cretaceous (Albian)

- 20184 **Chelonicerias** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Apón fm.,
Middle Cretaceous (Albian)
- 21740 **Chilostomella** sp.
Cole, B.A.P., v. 14, No. 53, 1928. Included in original study
collection
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25117 **Chilostomella** sp. Figured specimen
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 24, pl. 2, figs. 20, 21
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. station, Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 21741 **Chilostomelloides oviformis** (Sherborn and Chapman) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 16
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 1783 **Chione (Lirophora) alveata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 41, fig. 8
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1784 **Chione (Lirophora) alveata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 41, fig. 9
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1789 **Chione (Lirophora) alveata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 41, figs. 20, 40
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1796 **Chione (Lirophora) alveata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 41, fig. 36
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1768 **Chione amathusia** (Philippi) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 149, pl. 39, fig. 18
Búcaro,* Los Santos Prov., Panama Recent
- 2234 **Chione angelana** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 116, pl. 11, fig. 4
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2241 **Chione angelana** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 116, pl. 12, fig. 3
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2171 **Chione (Anomalocardia) anomiana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 120, pl. 3, fig. 4

- Zorritos, Dept. of Tumbes, Peru
Miocene
- Variegated beds, lower
- 4098 **Chione araneosa** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 40, pl. 3, fig. 6
Burica Point, Chiriquí Prov., Pan. Burica ss., upper
Miocene or lower Pliocene
- 22931 **Chione bolivarensis** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 22, pl. 5, figs. 2, 3
Jesús del Monte, Dept. of Bolívar, Col. lower-middle
Miocene
- 1735 **Chione (Anomalocardia) brasiliana** (Gmelin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 167, pl. 36, fig. 6
Monte Cristi, Monte Cristi Prov., Dom Rep. Recent
- 1736 **Chione (Anomalocardia) brasiliana** (Gmelin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 167, pl. 36, fig. 8
Dom. Rep. Recent
- 1739 **Chione (Anomalocardia) brasiliana** (Gmelin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 167, pl. 36, fig. 15 (both
valves)
Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1740 **Chione (Anomalocardia) brasiliana** (Gmelin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 167, pl. 36, fig. 16
Dom. Rep. Recent
- 1741 **Chione (Anomalocardia) brasiliana** (Gmelin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 167, pl. 36, fig. 17a
Monte Cristi, Monte Cristi Prov., Dom Rep. Recent
- 22843 **Chione buchivacoana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 61, pl. 35, fig. 1
Quebrada de Uca, SE. of El Mene, W. part of Dist. of Buchi-
vacoa, St. of Falcón, Ven. Oligocene-Miocene
- 22861 **Chione (Lirophora) buenavistana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 65, pl. 36, fig. 11
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 1786 **Chione (Lirophora) burnsii** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 176, pl. 41, fig. 14
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1787 **Chione (Lirophora) burnsii** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 176, pl. 41, fig. 15
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1788 **Chione (Lirophora) burnsii** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 176, pl. 41, fig. 19

- Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1791 **Chione (Lirophora) burnsii** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 176, pl. 41, fig. 26
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1732 **Chione (Anomalocardia) caloosana** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 166, pl. 36, fig. 1
Shell Creek Charlotte Co., Fla. Caloosahatchee, upper
Pliocene
- 1733 **Chione (Anomalocardia) caloosana** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 166, pl. 36, fig. 2
Shell Creek, Charlotte Co., Fla. Caloosahatchee, upper
Pliocene
- 1734 **Chione (Anomalocardia) caloosana** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 166, pl. 36, fig. 3
Shell Creek, Charlotte Co., Fla. Caloosahatchee, upper
Pliocene
- 1737 **Chione (Anomalocardia) caloosana** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 166, pl. 36, fig. 9
Shell Creek, Charlotte Co., Fla. Caloosahatchee, upper
Pliocene
- 963 **Chione cancellata** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 153, pl. 28, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 967 **Chione cancellata** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 153, pl. 28, fig. 5
Gulf of Paria near Farallon Rock, W. coast of Trinidad, W. I.
Recent
- 1743 **Chione cancellata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 1
Locality unknown Recent
- 1744 **Chione cancellata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 2; Palmer,
Nat. Mag., v. 33, No. 6, 1940, pl. 2, fig. 15 right
Wrightsville, New Hanover Co., N. C. Recent
- 1745 **Chione cancellata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 4; Palmer,
Nat. Mag., v. 33, No. 6, 1940, pl. 2, fig. 15 left
Florida Recent
- 1746 **Chione cancellata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 5
Simmon's Bluff, Yonges I., Wadmalaw Sound, Charleston Co.,
S. C. Pamlico fm., Pleistocene
- 1747 **Chione cancellata** (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 6
Beaufort, Carteret Co., N. C. Recent

- 1748 *Chione cancellata* (Linnaeus) Hypotype
Palmer, P.A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 6a
Shell Creek, Charlotte Co., Fla. Caloosahatchee fm.,
upper Pliocene
- 1749 *Chione cancellata* (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 7
Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1750 *Chione cancellata* (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 8
West Indies Recent
- 1751 *Chione cancellata* (Linnaeus) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 151, pl. 37, fig. 11
Monte Cristi, Monte Cristi Prov., Dom Rep. Recent
- 3980 *Chione cancellata* (Linnaeus)
Parker, Jour. Pal., v. 23, No. 6, 1949, pp. 577-593; used in
comparison study
Sanibel, Lee Co., Fla. Recent
- 22847 *Chione cancellata* (Linnaeus) Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 61, pl. 35, fig. 5
Halfway up S. side of La Mesa de Saladillo, Dist. of Miranda,
St. of Falcón, Ven. middle Miocene
- 24665 *Chione cancellata* (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 73, pl. 14, fig. 86
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 978 *Chione caroniana* Maury Holotype
(979) Maury, B.A.P., v. 10, No. 42, 1925, p. 163, pl. 29, figs. 5, 7, 8;
Palmer, P. A., v. 1, No. 5, 1929, p. 173, pl. 44, fig. 18
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22822 *Chione (Lirophora) cartagenensis* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 63, pl. 31, fig. 4.
Along coast near Cartagena, Dept. of Bolívar, Col.
Gatun fm., middle Miocene
- 22848 *Chione (Lirophora) cartagenensis* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 63, pl. 35, fig. 6
Cartagena, Dept. of Bolívar, Col. Miocene
- 1752 *Chione chipolana* Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 153, pl. 37, fig. 13
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene

- 1753 **Chione chipolana** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 153, pl. 37, fig. 14
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1754 **Chione chipolana** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 153, pl. 37, fig. 18
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1755 **Chione chipolana** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 153, pl. 37, fig. 19
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 21326 **Chione chiriquiensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 248, pl. 32, fig. 9; Palmer,
P. A., v. 1, No. 5, 1927, p. 177, pl. 41, fig. 12a in subgenus
Lirophora
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21327 **Chione chiriquiensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 248, pl. 32, fig. 10; Palmer,
P. A., v. 1, No. 5, 1927, p. 177, pl. 41, fig. 24 in subgenus
Lirophora (not fig. 25 as in expl. of pl.)
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 1760 **Chione cortinaria** (Rogers) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 142, pl. 38, fig. 4
Jackson Bluff, Leon Co., Fla. Choctawhatchee fm.,
upper middle or upper Miocene
- 2230 **Chione cf. costaricensis** Olsson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 113, pl. 10, fig. 8
Quebrada Picos, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 21321 **Chione costaricensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 245, pl. 32, fig. 4; Palmer,
P. A., v. 1, No. 5, 1927, p. 148, pl. 40, fig. 10
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 1813 **Chione craspedonia** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 162, pl. 43, fig. 36
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1758 **Chione cribraria** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 142, pl. 38, fig. 1
Neills Eddy Ldg., Cape Fear R., 3 mi. NE. above Acme,
Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 1761 **Chione cribraria** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 142, pl. 38, fig. 8
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene

- 1762 **Chione cribraria** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 142, pl. 38, fig. 9
North Carolina Miocene
- 1738 **Chione (Anomalocardia) cuneimeris** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 165, pl. 36, figs. 12, 14
Florida Recent
- 3499 **Chione dalli** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 19, pl. 3, fig. 7; Palmer,
P. A., v. 1, No. 5, 1929, p. 162, pl. 41, fig. 1
Claremont Wharf, James R., Surry Co., Va. lower
Yorktown fm., upper Miocene
- 3500 **Chione dalli** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 19, pl. 3, fig. 8; Palmer,
P. A., v. 1, No. 5, 1929, p. 162, pl. 41, figs. 2, 6
Claremont Wharf, James R., Surry Co., Va. lower
Yorktown fm., upper Miocene
- 3501 **Chione dalli** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 19, pl. 3, fig. 9
Claremont Wharf, James R., Surry Co., Va. lower
Yorktown fm., upper Miocene
- 966 **Chione dalliana guppyana** Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 158, pl. 28, fig. 4
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 20438 **Chione (Chionopsis) dauleana** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 81, pl. 5, figs. 5, 8
Near Pedro Carbo, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 20439 **Chione (Chionopsis) dauleana** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 81 (5 specimens)
Pedro Carbo district, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 1756 **Chione erosa** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 154, pl. 37, fig. 20
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1757 **Chione erosa** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 154, pl. 37, fig. 22
Jackson Bluff, Leon Co., Fla. Choctawhatchee fm.,
upper middle or upper Miocene
- 22851 **Chione (Lirophora) falconensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 63, pl. 35, fig. 10
W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 1799 **Chione (Lirophora) glyptocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 42, fig. 9

- Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1802 **Chione (Lirophora) glyptocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 42, fig. 14
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1803 **Chione (Lirophora) glyptocyma** Dall Hypotype
Palmer, P. A. v. 1, No. 5, 1929, p. 171, pl. 42, fig. 20a
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1805 **Chione (Lirophora) glyptocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 42, fig. 22
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 1810 **Chione (Lirophora) glyptocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 171, pl. 42, fig. 29
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., lower Miocene
- 3984 **Chione granulata** (Gmelin)
Parker, Jour. Pal., v. 23, No. 6, 1949, pp. 577-593; used in
comparison study
Sanibel, Lee Co., Fla. Recent
- 24867 **Chione granulata** (Gmelin) Hypotype
Perry and Schwengel, 1955, p. 74, pl. 41, fig. 296
Sanibel, Lee Co., Fla. Recent
- 2227 **Chione graucensis** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 119, pl. 10, fig. 5
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos
fm., middle Miocene
- 1771 **Chione grus** (Holmes) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 156, pl. 40, fig. 13
"East Coast" [Western Atlantic] Recent
- 1772 **Chione grus** (Holmes) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 156, pl. 40, fig. 18 (rt. valve
of #1771)
"East Coast" [Western Atlantic] Recent
- 1775 **Chione grus** (Holmes) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 156, pl. 40, fig. 21
"East Coast" [Western Atlantic] Recent
- 3981 **Chione grus** (Holmes)
Parker, Jour. Pal., v. 23, No. 6, 1949, pp. 577-593; used in
comparison study
Sanibel, Lee Co., Fla. Recent
- 24667 **Chione grus** (Holmes) Representative specimen
Perry and Schwengel, 1955, p. 74, pl. 14, fig. 88
Four-six fm. off Sanibel, Lee Co., Fla. Recent

- 21249 **Chione grus** (Holmes) "var." Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 248, pl. 26, fig. 21
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 2226 **Chione grzybowski** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 119, pl. 10, fig. 4
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos fm.,
middle Miocene
- 2229 **Chione grzybowski** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 119, pl. 10, fig. 7
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos fm.,
middle Miocene
- 1804 **Chione (Liophora) hendersoni** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 178, pl. 42, fig. 21
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1809 **Chione (Liophora) hendersoni** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 178, pl. 42, fig. 27
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1811 **Chione (Liophora) hendersoni** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 178, pl. 42, fig. 30
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1792 **Chione (Liophora) holocyma** Brown and Pilsbry Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 174, pl. 41, fig. 27
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1806 **Chione (Liophora) holocyma** Brown and Pilsbry Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 174, pl. 42, fig. 23
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 21306 **Chione holocyma** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 247, pl. 30, fig. 9; Palmer,
P. A., v. 1, No. 5, 1927, p. 174, pl. 42, fig. 34 in subgenus
Liophora
Gatun, C. Z. Gatun fm., middle Miocene
- 21324 **Chione hotelensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 247, pl. 32, fig. 7; Palmer,
P. A., v. 1, No. 5, 1927, p. 177, pl. 42, figs. 8, 20, in subgenus
Liophora
Hotel Creek, near Old Harbor, Limon Prov., C. R.
Uscari fm., lower Miocene

- 1759 **Chione intapurpurea** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 143, pl. 38, fig. 3
New Orleans pumping station, Orleans Par., La.
Pleistocene
- 24666 **Chione intapurpurea** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 73, pl. 14, fig. 87
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 3982 **Chione intapurpurea** (Conrad)
Parker, Jour. Pal., v. 23, No. 6, 1949, pp. 577-593; used in
comparison study
Sanibel, Lee Co., Fla. Recent
- 3983 **Chione intapurpurea** (Conrad)
Parker, Jour. Pal., v. 23, No. 6, 1949, pp. 577-593; used in
comparison study
Sanibel, Lee Co., Fla. Recent
- 973 **Chione latilirata** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 161, pl. 29, fig. 1
N. 400 ft. of Matura R., Matura Ward, NE. St. Andrew Co.,
Trinidad, W. I. Matura fm., Pliocene
- 974 **Chione latilirata** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 161, pl. 29, fig. 2
Cape Fear R., North Carolina Pliocene
- 980 **Chione latilirata** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 161, pl. 29, fig. 9
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 1782 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 7
Gymnasium Club well at 1200 ft., New Orleans, Orleans Par.,
La. Pleistocene
- 1785 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 13
Plum Point, Calvert Co., Md. Calvert fm., lower middle
Miocene
- 1790 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 21
Louisiana Recent
- 1793 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 31
Acme, Columbus Co., N. C. Waccamaw fm., lower
Pliocene
- 1794 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 32
Acme, Columbus Co., N. C. Waccamaw fm., lower
Pliocene

- 1795 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 179, pl. 41, fig. 34; pl. 42,
fig. 19
Tilly's Lake, Horry Co., S. C. Waccamaw fm., lower
Pliocene
- 1823 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 169, text fig. 27, (right and
left hinges)
Acme, Columbus Co., N. C. Waccamaw fm., lower
Pliocene
- 3964 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 63, pl. 11, fig. 3
S. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3965 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 63, pl. 11, fig. 4
S. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3971 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 63, pl. 12, fig. 1
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3972 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 63, pl. 12, fig. 2
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3973 **Chione (Lirophora) latilirata** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 63, pl. 12, fig. 3
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 22926 **Chione (Lirophora) latilirata colombiana** Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 22, pl. 4, figs. 8, 10
Near Piedras de Afilar or Morro Hermoso, Dept. of Atlantico,
Col. Miocene
- 22927 **Chione (Lirophora) latilirata colombiana** Weisbord Syntype
22927a Weisbord, B.A.P., v. 14, No. 54, 1929, p. 22, pl. 4, fig. 9; (22927a
unfigured)
Near Piedras de Afilar or Morro Hermoso, Dept. of Atlantico,
Col. Miocene
- 21304 **Chione mactropsis** (Conrad) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 245, pl. 30, fig. 7; Palmer,
P. A., v. 1, No. 5, 1927, p. 175, pl. 42, fig. 3 in subgenus
Lirophora
Gatun, C. Z. Gatun fm., middle Miocene
- 21305 **Chione mactropsis** (Conrad) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922 p. 245, pl. 30, fig. 8; Palmer,
P. A., v. 1, No. 5, 1927, pl. 175, pl. 42, fig. 17 in subgenus
Lirophora
Soussi Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

- 22846 **Chione (Lirophora) matarucana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 64, pl. 35, fig. 4
La Vela NW. structure, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 22854 **Chione montanitensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 60, pl. 35, fig. 3
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. lower Agua Clara
fm., upper Oligocene
- 22844 **Chione paraguanensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 62, pl. 35, fig. 2
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. Miocene
- 22849 **Chione paraguanensis** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 62, pl. 35, fig. 7
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. Miocene
- 3962 **Chione (Lirophora) parkeria** Glenn Hypotype
Schoonover B.A.P. v. 25, No. 94B, 1940, p. 64, pl. 11, fig. 1
S. of Parker Creek, Calvert Co., Md. Calvert fm., lower
middle Miocene
- 3963 **Chione (Lirophora) parkeria** Glenn Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 64, pl. 11, fig. 2
S. of Parker Creek, Calvert Co., Md. Calvert fm., lower
middle Miocene
- 968 **Chione pectorina** (Lamarck) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 164, pl. 28, fig. 6
Gulf of Paria, W. coast of Trinidad, W. I. Recent
- 970 **Chione pectorina** (Lamarck) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 164, pl. 28, fig. 8
Gulf of Paria, W. coast of Trinidad, W. I. Recent
- 1774 **Chione pectorina** (Lamarck) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 157, pl. 40, figs. 20, 33
Gulf of Paria between La Brea and San Fernando, Trinidad,
W. I. Recent
- 965 **Chione portesiana** (d'Orbigny) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 155, pl. 28, fig. 3
Erin Point, SW. shore, S. Erin Ward, S. central St. Patrick
Co., Trinidad, W. I. Recent
- 969 **Chione portesiana beani** Récluz Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 155, pl. 28, fig. 7
Guadeloupe I., F. W. I. Recent

- 2002 **Chione posorjensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 62, pl. 8, fig. 4
 Posorja, SW. Ecua. middle Oligocene
- 2004 **Chione posorjensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 62, pl. 8, fig. 6
 Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2232 **Chione propinqua** Sowerby Hypotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 112, pl. 11, fig. 2
 Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 2233 **Chione propinqua** Sowerby Hypotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 112, pl. 11, fig. 3
 Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 2238 **Chione propinqua** Sowerby Hypotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 112, pl. 11, fig. 8
 Zapotal, Dept. of Tumbes, Peru lower Zorritos, lower
Miocene
- 983 **Chione pubera** (Valenciennes) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 160, pl. 29, fig. 12 (cast)
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- Chione pubera** (Valenciennes) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 160, pl. 29, fig. 13 (lost
 prior to 1937)
 Brazil Recent
- 22850 **Chione (Lirophora) quirosensis** H. K. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 62, pl. 35, fig. 9
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 22836 **Chione quirosensis queralana** H. K. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 63, pl. 34, fig. 1
 NW. foot of Mesa de Saladillo, Dist. of Miranda, St. of Falcón,
 Ven. Miocene
- 976 **Chione riomaturensis** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 162, pl. 29, fig. 4
 N. 400 ft. of Matura R., Matura Ward, NE. St. Andrew Co.,
 Trinidad, W. I. lower Pliocene
- 1769 **Chione rowleei** Olsson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 149, pl. 39, fig. 22
 Banana River, Limon Prov., C. R. Gatun fm., middle
Miocene

- 21299 **Chione rowleei** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 244, pl. 30, fig. 2
 Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 972 **Chione sanctidavidis†** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 161, pl. 28, fig. 12
 Matura, E. Matura Ward, NE. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 1779 **Chione sawkinsi** Woodring Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 144, pl. 40, fig. 26
 Road uphill (to formerly Capt. Baker's house) off of road from
 Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
 Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1781 **Chione sawkinsi** Woodring Hypotype
 Palmer, P.A., v. 1, No. 5, 1929, p. 144, pl. 40, fig. 32
 Road uphill (to formerly Capt. Baker's house) off of road from
 Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
 Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 20198 **Chione** sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well La Rosa No. 186, depth 2870-2880 ft. Bolívar Coastal Field,
 Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 2174 **Chione spiekeri** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 117, pl. 3, fig. 7
 Quebrada Montera, Dept. of Piura, Peru Montera fm., lower Miocene
- 2242 **Chione spiekeri** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 117, pl. 12, fig. 4
 Quebrada Montera, Sechura, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2243 **Chione spiekeri** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 117, pl. 12, fig. 5
 Quebrada Montera, Sechura, Dept. of Piura, Peru
Montera fm., lower Miocene
- 1773 **Chione subrostrata** (Lamarck) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 150, pl. 40, figs. 19, 30
 Trinidad, W. I. Recent
- 1780 **Chione subrostrata** (Lamarck) Hypotype
 Palmer, P.A., v. 1, No. 5, 1929, p. 150, pl. 40, fig. 29
 Trinidad, W. I. Recent
- 1797 **Chione (Lirophora) ulocyma** Dall Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 173, pl. 42, fig. 4
 Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene

- 1808 **Chione (Lirophora) ulocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 173, pl. 42, fig. 26
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff, gr., lower-middle Miocene
- 1812 **Chione (Lirophora) ulocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 173, pl. 42, fig. 33
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1818 **Chione (Lirophora) ulocyma** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 173, pl. 45, fig. 5
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 22928 **Chione (Lirophora) usiacurina** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 23, pl. 4, fig. 11
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- 4097 **Chione vaca** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 40, pl. 5, fig. 7
Río La Vaca, 20 km. N. 45° W. of Puerto Armuelles, Puntarenas Prov., C. R. Charco Azul fm., Pliocene
- 2239 **Chione variabilis** Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 114, pl. 12, fig. 1
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2240 **Chione variabilis** Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 114, pl. 12, fig. 2
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 964 **Chione walli** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 159, pl. 28, fig. 2
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 971 **Chione walli** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 159, pl. 28, figs. 11, 15
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 22840 **Chione (Lirophora) wiedenmayeri** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49
1927, p. 64, pl. 34, fig. 5
Quebrada de las Palmas, S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. Miocene
- 1770 **Chione woodwardi** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 145, pl. 39, fig. 25
Road uphill (to formerly Capt. Baker's house), off of road from
Bowden P. O. to United Fruit Co. Wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1776 **Chione woodwardi** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 145, pl. 40, fig. 22

Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. Wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene

- 1777 **Chione woodwardi** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 145, pl. 40, fig. 24
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. Wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1778 **Chione woodwardi** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 145, pl. 40, fig. 25
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. Wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm. middle Miocene
- 1798 **Chione (Lirophora) xesta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 177, pl. 42, fig. 7
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff gr., lower Miocene
- 1800 **Chione (Lirophora) xesta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 177, pl. 42, fig. 10
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1801 **Chione (Lirophora) xesta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 177, pl. 42, fig. 13
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1807 **Chione (Lirophora) xesta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 177, pl. 42, fig. 24
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 2122 **Chiraluta inea** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 113, pl. 20, fig. 1
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
Type species of *Chiraluta* Olsson, 1931
- 2123 **Chiraluta inea** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 113, pl. 20, fig. 2
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 2131 **Chiraluta inea** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 113, pl. 20, fig. 10
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- Chlamys choctavensis** (Aldrich) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 46, pl. 7, fig. 6 (lost prior to 1937)

- Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 426 ***Chlamys deshayesi dennisoni*** Tucker [*dehayesi* sic] Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 1; Tucker,
Amer. Midl. Nat., v. 15, No. 5, 1934, p. 613, pl. 26, fig. 1;
Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 6, 1936, p. 995,
pl. 5, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. *Scutella*
bed, lower Jackson gr., upper Eocene
See *Pecten deshayesi* Lea "var."
- 24986 ***Chlamys (Plagioctenium) cf. flabellum*** (Gmelin) Hvpotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 52, pl. 3, fig. 2. (not returned in 1956)
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 25000 ***Chlamys (Plagioctenium) cf. flabellum*** (Gmelin) Hvpotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 52
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 25001 ***Chlamys (Plagioctenium) cf. flabellum*** (Gmelin) Hypotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 52
First bluff E. of rd. about 9-10 km. N. of the Barra de Quanza,
Angola Miocene
- 25002 ***Chlamys (Plagioctenium) cf. flabellum*** (Gmelin) Hvpotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 52
Four km. N. of Tombo, Angola Miocene
- 188 ***Chlamys greggi*** Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 45, pl. 7, fig. 4
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 189 ***Chlamys greggi*** Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 45, pl. 7, fig. 5
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 3918 ***Chlamys (Lyropecten) madisonia*** (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 2, fig. 3
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3920 ***Chlamys (Lyropecten) madisonia*** (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 2, fig. 5
Hollin Cliff, Patuxent R., Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3921 ***Chlamys (Lyropecten) madisonia*** (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 2, fig. 6
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene

- 3922 *Chlamys (Lyropecten) madisonia* (Say) near *C. marylandica*
Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 3, fig. 1
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3923 *Chlamys (Lyropecten) madisonia* (Say) near *C. marylandica*
Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 3, fig. 2
Beach N. of Jones Wharf, St. Marys Co., Md. Choptank
fm., lower middle Miocene
- 3924 *Chlamys (Lyropecten) madisonia* (Say) near *C. marylandica*
Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 3, fig. 3
Beach N. of Jones Wharf, St. Marys Co., Md. Choptank
fm., lower middle Miocene
- 3927 *Chlamys (Lyropecten) madisonia* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 3, fig. 6
Hollin Cliff, Patuxent R., Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3928 *Chlamys (Lyropecten) madisonia* (Say) "variety" Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 34, pl. 4, fig. 1
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3929 *Chlamys (Lyropecten) madisonia* (Say) "variety" Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 34, pl. 4, fig. 2
N. of Randle Cliff Beach, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3930 *Chlamys (Lyropecten) madisonia* (Say) "variety" Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 34, pl. 4, fig. 3
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3931 *Chlamys (Lyropecten) madisonia* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 4, fig. 4
N. of Camp Boy Haven, Calvert Co., Md. Choptank
fm., lower middle Miocene
- 3932 *Chlamys (Lyropecten) madisonia* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 5, fig. 1
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3933 *Chlamys (Lyropecten) madisonia* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 5, fig. 2
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3934 *Chlamys (Lyropecten) madisonia* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 28, pl. 5, fig. 3
N. of Camp Boy Haven, Calvert Co., Md. Choptank fm.,
lower middle Miocene

- 3925 *Chlamys (Placopeecten) marylandica* (Wagner) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 26, pl. 3, fig. 4
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3926 *Chlamys (Placopeecten) marylandica* (Wagner) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 26, pl. 3, fig. 5
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 4158 *Chlamys nupera* (Conrad) Hypotype
Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 6, 1936, p. 1000,
pl. 10, fig. 6
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 25369 *Chlamys santamaria middlesexensis* (Mansfield) Hypotype
Mongin, B.A.P., v. 39, No. 180, 1959, p. 309
Goldsboro, Wayne Co., N. C. St. Marys fm., middle
Miocene
- 24452 *Chlamys* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, pl. 4, figs. 8, 9
Ocala Lime Rock Corp., 3.5 mi. SE. of Newberry, 17 mi. W. of
Gainesville, Alachua Co., Fla. "Ocala ls.", Jackson gr.,
upper Eocene
- 24447 *Chlamys spillmani* (Gabb) "var." Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 9, pl. 4, fig. 1
Florida Lime Products Co., about 6 mi. SW. of Ocala, Marion
Co., Fla. "Ocala ls.", Jackson gr., upper Eocene
- 24448 *Chlamys spillmani* (Gabb) "var." Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 9, pl. 4, fig. 3
Georgia Lime Rock quarry about 4 mi. from Perry, Houston Co.,
Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24449 *Chlamys spillmani* (Gabb) "var." Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 9, pl. 4, fig. 2
Florida Lime Products Co., about 6 mi. SW. Ocala, Marion Co.,
Fla. "Ocala ls.", Jackson gr., upper Eocene
- 24453 *Chlamys spillmani* (Gabb) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 9, pl. 5, fig. 1
U.S. Route 41, 2.9 mi. S. of Perry, Houston Co., Ga.
"Ocala ls.", Jackson gr., upper Eocene
- 24454 *Chlamys spillmani* (Gabb) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 9, pl. 5, fig. 1'
Georgia Lime Rock Quarry about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24450 *Chlamys spillmani clinchfieldensis* Harris Holotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 10, pl. 4, fig. 4-6
Pennsylvania Cement Corp., plant 2, Clinchfield quarry,
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene

- 24451 ***Chlamys spillmani clinchfieldensis*** Harris Paratype
Harris, B.A.P., v. 33, No. 138, 1951, p. 10, pl. 4, fig. 7
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry,
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 1408 ***Chlamys trentensis*** (Harris) Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 15, pl. 2,
fig. 9; Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 6, 1936, p.
1005, pl. 10, fig. 8
Rt. bank of Trent R., about 6 mi. below Pollokville, Jones Co.,
N. C. "Trent fm., lower Claiborne, middle Eocene",
Harris; "Trent fm., lower Miocene" Kellum, 1926; age in
process of determination
See *Pecten trentensis* Harris
- 21126 ***Chlorostoma (Neomphalius) costaricense*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 163, pl. 15, fig. 16
Red Cliff Creek, Limon Prov., C. R. Uscari or Gatun
fm., lower or middle Miocene
- 5460B ***"?Chonetes aff. billingsi*** Clarke gens" Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 132, pl. 7, figs. 7, 8
Floresta, lat 5° 51' N., long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5162 ***Chonetes setigerus*** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 10, fig. 6
One mi. E. of Stoneham, Warren Co., Pa. Upper Knapp
ss. (Cuyahoga), Lower Mississippian
- 5164 ***Chonetes setigerus*** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 10, fig. 8
One mi. E. of Stoneham, Warren Co., Pa. Upper Knapp
ss. (Cuyahoga), Lower Mississippian
- 6002 ***Chonetes stübeli*** Ulrich Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 62, pl. 6, fig. 7
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5443A ***Chonetes cf. stübeli*** Ulrich Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 131
Floresta, lat 5° 51' N., long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5483 ***Chonetes cf. stübeli*** Ulrich Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 131, pl. 8, figs. 21, 22
Floresta, lat 5° 51' N., long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5438A ***Chonetes cf. stübeli*** Ulrich Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 131, pl. 8, fig. 20

Floresta, lat 5° 51' N., long 72° 53' W.; on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5993 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 5, fig. 8
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5994 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 5, fig. 9
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5995 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 6, fig. 1
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5996 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 6, fig. 2
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5997 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 6, fig. 3
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5998 **Chonetes (Eodevonaria) subhemispherica** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 61, pl. 6, fig. 4
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21759 **Chonetes (Eodevonaria) ? subhemispherica** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 15, pl. 3, fig. 9; Liddle,
Harris, and Wells, v. 27, No. 108, pt. 2A, 1943, p. 61, pl. 5, fig. 7
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21759 **Chonetes (Eodevonaria) ? subhemispherica** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 15, pl. 3, fig. 10
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian

- 5999 **Chonetes (Eodevonaria) venezuelensis** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 62, pl. 6, fig. 5
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 6000 **Chonetes (Eodevonaria) venezuelensis** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 62, pl. 6, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 6001 **Chonetes (Eodevonaria) venezuelensis** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 62, pl. 6, fig. 6a
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of
Maracaibo, St. of Zulia, Ven. Lower-Middle Devonian
- 21754 **Chonetes venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 14, pl. 3, fig. 5 (lost
prior to 1937)
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21755 **Chonetes venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 14, pl. 3, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21756 **Chonetes ?venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 14, pl. 3, fig. 7
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21757 **Chonetes ?venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 14, pl. 3, fig. 8
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21606 **?Chonetes zuliensis** Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 13, pl. 3, fig. 3
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5420A **Chonostrophia knodi** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 137, pl. 9, figs. 8-11
(cast missing prior to 1956)
Floresta, lat 5° 51' N., long 72° 53' W.; on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 25430 **?Chrysalidinella cubensis** Palmer Syntype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
 p. 181, pl. 15, fig. 12 [D.K.P. slide 191.9-18 (50)]
 Tejar "San Jose", Calzada de Marianao at Calle Jesus Maria,
 Marianao, Habana Prov., Cuba Cojimar fm., Oligocene
 [Miocene, Cole, 1958, p. 222]
- 25431 **?Chrysalidinella cubensis** Palmer Syntype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
 p. 181, pl. 15, fig. 13 [D.K.P. slide 191.9-18 (50)]
 Tejar "San Jose", Calzada de Marianao at Calle Jesus Maria,
 Marianao, Habana Prov., Cuba Cojimar fm., Oligocene
 [Miocene, Cole, 1958, p. 222]
- 255 **Chrysodomus engonata** (Heilprin) Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 47, pl. 6, fig. 4
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine]gr., lower Eocene
- 22465 **Cibicidella variabilis** (d'Orbigny) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22466 **Cibicidella variabilis** (d'Orbigny) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22467 **Cibicidella variabilis** (d'Orbigny) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Moore House Beach, 6 ft. up bank, York Co., Va.
 Yorktown fm., upper Miocene
- 22468 **Cibicidella variabilis** (d'Orbigny) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22469 **Cibicidella variabilis** (d'Orbigny) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369, pl. 49, figs. 9,
 10a-c
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22470 **Cibicidella variabilis** (d'Orbigny) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Powells Lake Spillway, James City Co., Va. Yorktown
 fm., upper Miocene
- 22471 **Cibicidella variabilis** (d'Orbigny) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Powells Lake Spillway, James City Co., Va. Yorktown
 fm., upper Miocene
- 22472 **Cibicidella variabilis** (d'Orbigny) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 369
 Fragmental beds, Yorktown Bluffs, York Co., Va.
 Yorktown fm., upper Miocene

- 22473 *Cibicidella variabilis* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22474 *Cibicidella variabilis* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 369, pl. 49, figs. 11, 14
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22475 *Cibicidella variabilis* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, 160, 1956, p. 369
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22476 *Cibicidella variabilis* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22477 *Cibicidella variabilis* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22478 *Cibicidella variabilis* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22479 *Cibicidella variabilis* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James
City Co., Va. Yorktown fm., upper Miocene
- 22480 *Cibicidella variabilis* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Powells Lake Spillway, *Pecten bed* (top bed), James City Co.,
Va. Yorktown fm., upper Miocene
- 22481 *Cibicidella variabilis* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 369
Powells Lake Spillway, *Ostrea bed* (2d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 20576 *Cibicides beatus* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 30, pl. 8, fig. 6; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 3-129) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 25240 *Cibicides burlingtonensis* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 39
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous

- 25465 *Cibicides cf. candeï* (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 293, pl. 30, figs. 3a-c [D.K.P. slide 191.9-18 (51)]
Tejar "Yumurí" about 250 m. N. of bend in rd. at NW. end of
Yumurí Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25464 *Cibicides carstensi* Cushman and Ellisor Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 292, pl. 29, figs. 5a-c [D.K.P. slide 191.9-18 (95)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 25466 *Cibicides concentricus* (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 294, pl. 30, figs. 2a-c [D.K.P. slide 191.9-18 (91)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 25467 *Cibicides concentricus* (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 294 [D.K.P. slide 191.9-18 (91)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 21624 *Cibicides conoideus* Galloway and Wissler Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 35, pl. 2, figs. 3-5
(missing prior to 1937)
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. Vera Cruz, Mex. Guayabal fm., middle Eocene
- 20577 *Cibicides eponidiformis* Martin Paratype
Martin, Stanford Univ., Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 30, pl. 6, fig. 7; Marks, Micropal., v. 6, No. 4, 1952, p.
35 (not P.R.I. 10577 as on p. 35)
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 9-79) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22647 *Cibicides felix* Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 13; not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 11-54) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22648 *Cibicides fortunatus* Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 13; not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 6-11) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22421 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Camp Wallace, James City Co., Va. Yorktown fm. upper
Miocene Note: not *C. lobatulus* (d'Orbigny)

- 22422 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22423 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22424 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366, pl. 48, figs. 12a, b
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22425 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22426 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22427 *Cibicides cf. lobatulus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22428 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366, pl. 48, figs. 13a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22429 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22430 *Cibicides cf. lobatulus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 25468 *Cibicides lobatulus* (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 294, pl. 29, figs. 4a-c [D.K.P. slide 191.9-18 (31)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 25469 *Cibicides matanzasensis* (Hadley) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 295, pl. 28, figs. 6a-c [D.K.P. slide 191.9-18 (89)]
Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of
Yumuri Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25128 **Cibicides mexicanus** Nuttall Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 28, pl. 4, figs. 7, 8
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar
del Río Prov., Cuba Oligocene
- 25238 **Cibicides mortoni** (Reuss) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 38
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 25239 **Cibicides neelyi** Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 39
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 22700 **Cibicides nelsoni** W. Berry Hypotype
Plummer, Univ. Tex. Bull. 3501, 1936, p. 288, pl. 5, figs. 6a-c
(S-919)
Rt. bank of Onion Cr. near bridge at Moore and Berry's
Crossing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Corsicana ml., Navarro gr., Maestrichtian, Upper
Cretaceous
- 22704 **Cibicides nelsoni** W. Berry Hypotype
Plummer, Univ. Tex. Bull. 3501, 1936, p. 288, pl. 5, figs. 2-5
(S-920) Rt. bank of Onion Cr. near bridge at Moore and Berry's
Crossing, 8.5 mi. SE. of capitol in Austin, Travis Co.,
Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper
Cretaceous
- 21616a **Cibicides pseudownellerstorfi** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 36, pl. 1, fig. 13 (missing
prior to 1937)
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21616b **Cibicides pseudownellerstorfi** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 36, pl. 1, fig. 14 (missing
prior to 1937)
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21662 **Cibicides sassei** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 35, pl. 4, figs. 10, 11
(missing prior to 1937)
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 22431 **Cibicides sublobus** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22432 **Cibicides sublobus** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene

- 22433 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367, pl. 49, figs. 1, 2
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22434 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22435 *Cibicides sublobus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22436 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22437 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22438 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22439 *Cibicides sublobus* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367, pl. 49, figs. 3a-d
(not P.R.I. No. 22239 as in expl. of pl.)
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22440 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Powells Lake Spillway, *Ecpchora* bed (3d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 22441 *Cibicides sublobus* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Powells Lake Spillway, *Pecten* bed (top bed), James City Co.,
Va. Yorktown fm., upper Miocene
- 25130 *Cibicides trinitatensis* (Nuttall) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 29, pl. 4, figs. 10, 11
Yumuri R. Gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 21733 *Cibicides tuxpamensis* Cole Paratype
Cole, B.A.P., v. 14, No. 53, 1928, p. 19, pl. 1, fig. 2
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21734 *Cibicides tuxpamensis* Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 19, pl. 1, fig. 3

Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene

Cibicides tuxpamensis Cole Paratype
Cole, B.A.P., v. 14, No. 53, 1928, p. 19, pl. 3, figs. 5, 6
(not deposited in 1928)
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene

22649 **Cibicides whitel** Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 13; not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29 NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 3-129) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene

25132 **Cibicorbis herricki** Hadley Syntype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 26, pl. 5, figs. 1-3
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
Type species of *Cibicorbis* Hadley, 1934

25133 **Cibicorbis herricki** Hadley Syntype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 26
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene

25470 **Cibicorbis herricki** Hadley Hypotype
Palmer, D.K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 297, pl. 30, figs. 1a-c [D.K.P. slide 191.9-18 (86)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]

3806 **Cidaris aff. loveni** Cotteau Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 39, pl. 3, fig. 10
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Miocene

25004 **Cidaris vafellus** de Loriol Hypotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 18
Sea cliff, 20 km. N. of Benguella Velha (= Port Amboim),
Angola Miocene

3701 **Cimomia haughti** (Olsson) Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 23, fig. 2; Miller,
G. S. A., Mem. 23, 1947, p. 42, pl. 64, fig. 3
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
See *Eutrophoceras haughti* Olsson

3710 **Cimomia negritensis** (Olsson) Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 26, figs. 1, 2;
Miller, G. S. A., Mem. 23, 1947, p. 45, pl. 36, figs. 3, 4
Near Negritos, Dept. of Piura, Peru Pale Greda fm.,*
lower Eocene
See *Eutrophoceras negritensis* Olsson

- 2679 ***Circulus exacuus* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 53, pl. 5, figs. 28, 34, 37
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4494 ***Circulus ottonius* Palmer, n. n.** Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 231,
pl. 27, figs. 3, 4 new name for *S. delphinuloides* Meyer
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- Circulus schmidtii* Olsson** Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 18, pl. 3, fig. 16
(missing prior to 1937)
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 2677 ***Cirsochilus (Claibornia) lineatus* (Lea)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 58, pl. 5, figs. 19, 23, 30
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
Type species of *Claibornia* Palmer, 1937
- 4502 ***Cirsotrema (Coroniscala) danvillense* Palmer** Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 240,
pl. 28, fig. 8
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4503 ***Cirsotrema (Coroniscala) danvillense* Palmer** Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 240,
pl. 28, fig. 16
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2759 ***Cirsotrema (Coroniscala) linteum* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 101, pl. 10, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2760 ***Cirsotrema (Coroniscala) linteum* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 101, pl. 10, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2755 ***Cirsotrema (Coroniscala) nassulum* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 97, pl. 10, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2756 ***Cirsotrema (Coroniscala) nassulum* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 97, pl. 10, figs. 13, 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2757 ***Cirsotrema (Coroniscala) nassulum* (Conrad)** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 97, pl. 10, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2758 **Cirsotrema (Coroniscula) nassaum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 97, pl. 10, figs. 21, 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4504 **Cirsotrema (Coroniscula) nassulum creolum** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 242,
pl. 28, fig. 17
Montgomery Ldg., Red. R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2754 **Cirsotrema (Coroniscula) newtonense**
(Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 101, pl. 10, fig. 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2762 **Cirsotrema (Coroniscula) octolineatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 100, pl. 10, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2763 **Cirsotrema (Coroniscula) octolineatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 100, pl. 10, figs. 20, 24
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 4501 **Cirsotrema (Coroniscula) ranellinum** (Dall) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 237,
pl. 28, fig. 19
About 2-3 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 21801 **Cisseis asterisca** Guppy Hypotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 11, pl. 2, fig. 1
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21802 **Cisseis asterisca** Guppy Hypotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 11, pl. 2, fig. 2
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21810 **Cisseis asterisca** Guppy Hypotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 11, pl. 2, fig. 10
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21806 **Cisseis asterisca venezuelana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 13, pl. 2, fig. 6
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)

- 21807 **Cisseis asterisca zuliana** H. K. Hodson Holotype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 14, pl. 2, fig. 7
 E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
 St. of Zulia, Ven. Churugarito* fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)
- 21821 **Cisseis aurarensis** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 19, pl. 4, fig. 1
 Near Churugarito*, exact locality not designated, Dist. of
 Miranda, St. of Zulia, Ven. Churugarito* fm., upper
 Eocene
- 21826 **Cisseis aurarensis** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 19, pl. 4, fig. 6
 In pit, 2.25 km. E. of Churugarito,* Dist. of Miranda, St. of
 Zulia, Ven. Churugarito* fm., upper Eocene
- 21827 **Cisseis aurarensis** H. K. Hodson Holotype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 19, pl. 4, fig. 7
 In pit, 2.25 km. E. of Churugarito,* Dist. of Miranda, St. of
 Zulia, Ven. Churugarito* fm., upper Eocene
- 21828 **Cisseis aurarensis** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 19, pl. 4, fig. 8
 In pit, 2.25 km. E. of Churugarito,* Dist. of Miranda, St. of
 Zulia, Ven. Churugarito* fm., upper Eocene
- 21804 **Cisseis bontourana** H. K. Hodson Holotype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 14, pl. 2, figs. 4,
 11
 Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
 Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)
- 21808 **Cisseis bontourana** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 14, pl. 2, fig. 8
 Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
 Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)
- 21811 **Cisseis harrisi** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 3, fig. 1
 Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
 Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)
- 21812 **Cisseis harrisi** H. K. Hodson Holotype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 3, fig. 2
 Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
 Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)
- 21816 **Cisseis harrisi** H. K. Hodson Paratype
 Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 3, fig. 6
 Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
 Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
 (See Vaughan and Cole, 1941, p. 60)

- 21803 *Cisseis pariana* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 2, fig. 3
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21805 *Cisseis pariana* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 2, fig. 5
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21809 *Cisseis pariana* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 15, pl. 2, fig. 9
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21822 *Cisseis parva* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 18, pl. 4, fig. 2
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21824 *Cisseis parva* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 18, pl. 4, fig. 4
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21823 *Cisseis sanfernandana* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 18, pl. 4, fig. 3
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21814 *Cisseis trinidadensis* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 16, pl. 3, fig. 4
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21817 *Cisseis trinidadensis* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 16, pl. 3, fig. 7
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21820 *Cisseis trinidadensis* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 16, pl. 3, fig. 10
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria
Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21813 *Cisseis weeksi* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 17, pl. 3, fig. 3
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)

- 21815 **Cisseis weeksi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 17, pl. 3, fig. 5
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21818 **Cisseis weeksi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 17, pl. 3, fig. 8
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 21819 **Cisseis weeksi maracaibensis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 17, pl. 3, fig. 9
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 60)
- 4033 **Clathrodrillia harrisi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 50, pl. 9, fig. 10
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 4033a **Clathrodrillia harrisi** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 50, pl. 11, fig. 8
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 2143 **Clathrodrillia mira** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 120, pl. 21, fig. 5
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 4034 **Clathrodrillia (Buridrillia) panarica** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 52, pl. 7, fig. 4
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
Type species *Buridrillia* Olsson, 1942
- 4035 **Clathrodrillia (Buridrillia) panarica** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 52, pl. 7, fig. 5
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4035a **Clathrodrillia (Buridrillia) panarica** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 52, pl. 7, fig. 7
W. side of Burica Pen., Puntarenas Prov., C. R.
Burica ss., upper Miocene or lower Pliocene
- 4968 **Clathurella (Eoclathurella) obesula** Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 441
pl. 61, fig. 14
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4016 **Clathurella (Glyphostoma) tridesmia** Berry Paratypes
4017 Berry, B.A.P., v. 27, No. 101, 1941, p. 8
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene

- 21067 **Clava alajuela** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 145, pl. 10, fig. 30
 Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21041 **Clava costaricana** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 144, pl. 10, fig. 3
 Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21042 **Clava costaricana** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 144, pl. 10, fig. 4
 Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 1086 **Clava venada** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 222, pl. 41, fig. 10
 Brasso Venada Ravine, 3 mi. E. of Brasso station, E. Montserratt Ward, SE. Caroni Co., Trinidad, W. I. Manzanilla fm., Miocene
- 2949 **Clava ("Ochetoclava") vineta** (Whitfield) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 217, pl. 29, fig. 7
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2950 **Clava ("Ochetoclava") vineta** (Whitfield) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 217, pl. 29, figs. 17, 19
 H. W. Berryman Place 2½ mi. from Linwood, 11 mi. from Rusk, (3.88 mi. NE. Alto - Stenzel, Krause, and Twining, 1957, p. 147), Cherokee Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2951 **Clava ("Ochetoclava") vineta** (Whitfield) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 217, pl. 29, fig. 18
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 24246 **Clavilithes (Chiralithes) cynosuris** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 51, pl. 9, fig. 2
 Casa Saman near Tangara, Chira Valley, Dept. of Piura, Peru
 Chira fm., lower Oligocene
 Type species *Chiralithes* Olsson, 1930
- 24247 **Clavilithes (Chiralithes) cynosuris** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 51, pl. 9, fig. 3
 Casa Saman near Tangara, Chira Valley, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 24248 **Clavilithes (Chiralithes) cynosuris** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 51, pl. 9, fig. 4
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24249 **Clavilithes (Chiralithes) cynosuris** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 51, pl. 9, fig. 5
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene

- 3172 **Clavilithes humerosus** Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 362, pl. 56, fig. 8
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4740 **Clavilithes humerosus** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 386,
 pl. 53, figs. 5, 6
 One half mi. below Gibson Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4741 **Clavilithes humerosus** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 386,
 pl. 53, fig. 9
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4742 **Clavilithes humerosus** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 386,
 pl. 53, fig. 10
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4743 **Clavilithes humerosus** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 386,
 pl. 53, fig. 11
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4744 **Clavilithes humerosus** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 386,
 pl. 53, fig. 12
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 3170 **Clavilithes kennedyanus** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 360, pl. 56, fig. 4
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 3171 **Clavilithes kennedyanus** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 360, pl. 56, figs. 6, 7
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 3173 **Clavilithes kennedyanus** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 360, pl. 56, fig. 11
 Hammett's Branch, SW. $\frac{1}{4}$ Sec. 30, T. 18 N., R. 6 W., about 2
 mi. NE. of Mt. Lebanon, Bienville Par., La. Cook Mt.
 fm., upper Claiborne gr., middle Eocene
- 250 **Clavilithes kennedyanus** Harris "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 44, pl. 5, fig. 8
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine], gr., lower Eocene
- 3689 **Clavilithes lagunitensis** Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 88, pl. 21, fig. 4

- Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3692 **Clavilithes lagunitensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 88, pl. 21, fig. 7
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3168 **Clavilithes pachyleurus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 358, pl. 56, figs. 1, 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3165 **Clavilithes penrosei** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 359, pl. 55, fig. 1
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3166 **Clavilithes penrosei** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 359, pl. 55, figs. 3, 6
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3167 **Clavilithes penrosei** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 359, pl. 55, fig. 4
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 24250 **Clavilithes (Perulithes) peruvianus** Woods Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 52, pl. 9, fig. 6
Near Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
Type species of *Perulithes* Olsson, 1930
- 3691 **Clavilithes pozoensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 86, pl. 21, fig. 6
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3693 **Clavilithes pozoensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 86, pl. 21, fig. 8
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3694 **Clavilithes pozoensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 86, pl. 21, fig. 9
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3169 **Clavilithes texanus** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 362, pl. 56, figs. 3, 12
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3686 **Clavilithes woodringi** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 87, pl. 21, fig. 1
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene

- 3687 **Clavilithes woodringi** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 87, pl. 21, fig. 2
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3688 **Clavilithes woodringi** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 87, pl. 21, fig. 3
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 24245 **Clavilithes (Perulithes) yasilus** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 52, pl. 9, fig. 1
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24251 **Clavilithes (Perulithes) yasilus** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 52, pl. 9, fig. 7
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 21713 **Clavulina communis** d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 2, fig. 2
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- Clavulina communis** d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 2, fig. 3
(not deposited in 1928)
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25085 **Clavulina communis** d'Orbigny Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 8, pl. 1, fig. 5
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 21614 **Clavulina guayabalensis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 13, pl. 1, fig. 11
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 20578 **Clavulina insignis** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 138, pl. 8, fig. 2;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana
or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd.,
Navarro Co., Tex. Corsicana ml. Navarro gr., Mae-
strichtian, Upper Cretaceous
See *Clavulinoides insignis* (Plummer)
- 20579- **Clavulina insignis** Plummer Paratype
20580 Plummer, Univ. Tex. Bull. 3101, 1931, p. 138, pl. 8, figs. 3, 4;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana
or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd.,
Navarro Co., Tex. Corsicana ml. Navarro gr., Mae-
strichtian, Upper Cretaceous
See *Clavulinoides insignis* (Plummer)

- 20581 **Clavulina insignis** Plummer Paratype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 138, pl. 8, fig. 1;
 Marks, Micropal., v. 6, No. 4, 1952, p. 35
 Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
 ing 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
 Taylor gr., Campanian, Upper Cretaceous
 See *Clavulinoides insignis* (Plummer)
- 25088 **Clavulina** sp. Figured specimen
 Hadley, B.A.P., v. 20, No. 70A, 1934, p. 9, pl. 1, fig. 7
 Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
 Piñar del Río Prov., Cuba Oligocene
- 25089 **Clavulina** sp. Figured specimen
 Hadley, B.A.P., v. 20, No. 70A, 1934, p. 9, pl. 1, fig. 8
 Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel
 Piñar del Río Prov., Cuba Oligocene
- 20578- **Clavulinoides insignis** (Plummer), Cushman Lab. Foram. Res.
 20581 Spec. Publ. No. 7, 1937, p. 124
 See *Clavulina insignis* Plummer
- 25383 **Clavulinoides jarvisi** Cushman Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
 p. 120, pl. 18, fig. 13 [D. K. P. slide 191.9-18 (18)]
 NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 24309 **Clavus (Crassispira) zizyphus** Berry Paratype
 Berry, B.A.P., v. 25, No. 94A, 1940, p. 6
 "Hilltop Quarry", San Pedro, Los Angeles Co., Calif.
 lower Pleistocene
- 6047 **Cleiothyridina devonica** Raymond Hypotype
 Baldwin, B.A.P., v. 28, No. 110, 1943, p. 14, pl. 1, fig. 14
 Lost River Range, 1 mi. E. of Freighter Spring near Dickey,
 Custer Co., Ida. Three Forks fm., Upper Devonian
- 5070 **Clelandia parabola** (Cleland) Holotype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 16, figs. 1, 3;
 Fisher, G. S. A. Bull., v. 65, No. 1, 1954, p. 87, pl. 4, fig. 11
 Ft. Hunter, Montgomery Co., N. Y. "Calceiferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
 See *Harrisia parabola* Cleland
- 946 **Clementia dariena** (Conrad) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 26, fig. 1
 Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
 Trinidad, W. I. Manzanilla fm., Miocene
- 947 **Clementia dariena** (Conrad) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 26, fig. 3
 At $7\frac{3}{4}$ mi. post on Guaico-Tamana rd., E. central Tamana
 Ward, SW. St. Andrew Co., Trinidad, W. I. Man-
zanilla fm., Miocene

- 948 **Clementia dariena** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 26, fig. 5;
Palmer, P. A., v. 1, No. 5, 1929, p. 202, pl. 26, fig. 17
Prov. Darien, Pan. Gatun fm., middle Miocene
- 949 **Clementia cf. dariena** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 26, fig. 6
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 950 **Clementia dariena** (Conrad) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 26, fig. 7
At $7\frac{3}{4}$ mi. post on Guaico-Tamana rd., E. central Tamana
Ward, SW. St. Andrew Co., Trinidad, W.I. Man-
zanilla fm., Miocene
- 1702 **Clementia dariena** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 202, pl. 26, fig. 13
Dist. of Democracia, St. of Falcón, Ven. middle
Miocene
- 1703 **Clementia dariena** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 202, pl. 26, fig. 13a
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1704 **Clementia dariena** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 202, pl. 26, fig. 15
Dist. of Democracia, St. of Falcón, Ven. middle
Miocene
- 1705 **Clementia dariena** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 202, pl. 26, fig. 18
Near Baraqua, Dist. of Urdaneta, St. of Lara, Ven.
lower Miocene
- 21311 **Clementia dariena** (Conrad) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 232, pl. 31, fig. 4; Palmer,
P. A., v. 1, No. 5, 1927, p. 202, pl. 26, fig. 20
Soussi Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 22827 **Clementia dariena** (Conrad) Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 52, pl. 32, fig. 3
S. side $\frac{1}{2}$ way up Mesa de Saladillo, Dist. of Miranda, St. of
Falcón, Ven. middle Miocene
- 22930 **Clementia dariena** (Conrad) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 24, pl. 5, fig. 1
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- Clementia dariena** (Conrad) Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
110, pl. 20, fig. 8 (lost prior to 1937)
Seven and three-quarters mi. post Guaico-Tamana rd., W.
Ture Ward near border with Tamana Ward, S. St. Andrew
Co., Trinidad, W. I. Miocene

- 1698 *Clementia inoceriformis* (Wagner) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 203, pl. 25, figs. 10, 13
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1193 *Clementia mercenaroidea* (Aldrich) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 151, pl. 47, fig. 8
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1194 *Clementia mercenaroidea* (Aldrich) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 151, pl. 47, fig. 9
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1195 *Clementia mercenaroidea* (Aldrich) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 151, pl. 47, fig. 10
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1196 *Clementia mercenaroidea* (Aldrich) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 151, pl. 47, fig. 11
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 3549 *Clementia parinensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 35, pl. 7, fig. 3
Parinas Point, Dept. of Piura, Peru Parinas fm., middle
Eocene
- 3550 *Clementia parinensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 35, pl. 7, fig. 4
Parinas Point, Dept. of Piura, Peru Parinas fm., middle
Eocene
- 3547 *Clementia peruviana* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 33, pl. 7, fig. 1
Casa Saman, 10 mi. NW. of Sullana, Chira Valley, Dept. of
Piura, Peru Saman fm., upper Eocene
- 3548 *Clementia peruviana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 33, pl. 7, fig. 2
Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 3552 *Clementia peruviana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 33, pl. 7, fig. 7
Talara, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 20152 *Clementia peruviana* Olsson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
In gully on E. side of 1st quebrada W. of well Zabjurar - 2, Km
24 structure, Dist. of Mara, St. of Zulia, Ven. Las
Flores fm., upper Eocene

- 3551 **Clementia restinensis** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 35, pl. 7, figs. 5, 6
 Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 20129 **Clementia** sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
 W. side of small quebrada 880 m. S. 40° E. of well Sibucara
 No. 4, Cojoro structure, Cañada Hondo area, Dist. of Maracaibo,
 St. of Zulia, Ven. Las Flores fm., upper Eocene
- 24546 **Clinocardium hannibali** Keen Paratype
 Keen, B.A.P., v. 35, No. 153, 1954, p. 18
 Grays Harbor, Aberdeen, Grays Harbor Co., Wash.
 Montesano fm., Mio-Pliocene
- 20492 **Clinura** sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 134, pl. 9, fig. 4
 Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 20493 **Clinura** sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 134, pl. 9, figs. 5, 6
 Near Carrizal, N. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 22510 **Clithrocytheridea diagonalis** Malkin Hypotypes
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74, pl. 8, figs. 1a, b
 Crisfield Well, depth 248-287 ft., Somerset Co., Md.
 Yorktown fm., upper Miocene
- 22511 **Clithrocytheridea virginienensis** Malkin Hypotypes
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74, pl. 8, figs. 2a-c
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22512 **Clithrocytheridea virginienensis** Malkin Hypotype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74, pl. 8, figs. 2d, e
 Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
 Yorktown fm., upper Miocene
- 22513 **Clithrocytheridea virginienensis** Malkin Hypotype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74, pl. 8, figs. 2f, g
 (juvenile)
 Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22514 **Clithrocytheridea virginienensis** Malkin Hypotype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74
 Moore House Beach, 6 ft. up bank, York Co., Va.
 Yorktown fm., upper Miocene
- 22515 **Clithrocytheridea virginienensis** Malkin Hypotypes
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74
 Carter's Grove, bank base, lower beach, James City Co., Va.
 Yorktown fm., upper Miocene
- 22516 **Clithrocytheridea virginienensis** Malkin Hypotype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 74

Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene

- 22517 *Clithrocytheridea virginicensis* Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 74
Carter's Grove upper beach, basal gravel bed, James City Co., Va.
Yorktown fm., upper Miocene
- 22518 *Clithrocytheridea virginicensis* Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 74
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22519 *Clithrocytheridea virginicensis* Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 74
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22520 *Clithrocytheridea virginicensis* Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 74
Fort Eustis Well, depth 101-135 ft., City of Warwick (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22521 *Clithrocytheridea virginicensis* Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 74 (juvenile)
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22522 *Clithrocytheridea virginicensis* Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 74
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 3803 *Clypeopygus habanensis* Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 32, pl. 3, figs. 1-3
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 4867 *Coahuilites (Austrosphenodiscus) peruviana* (Gerth) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 109, pl. 17, figs. 1, 2
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
basal or *Sphenodiscus* beds, Campanian
Type species of *Austrosphenodiscus* Olsson, 1944
- 2511a *Cochlespira bastropensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 7
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2511b *Cochlespira bastropensis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 8
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2511c *Cochlespira bastropensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 9

Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
 Stone City beds, middle Claiborne gr., middle Eocene

- 2511d *Cochlespira bastropensis* Harris Paratype
 Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 10
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
 Stone City beds, middle Claiborne gr., middle Eocene
- 2508 *Cochlespira bella* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 4
 Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2509 *Cochlespira bella* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 5
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 2510 *Cochlespira bella hoplites* Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 6
 Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2512 *Cochlespira bella planata* Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 11
 Little Brazos, R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)
- 2513 *Cochlespira bella polita* Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 12; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 436, pl. 60, fig. 9
 Ouachita R., La. Exact locality unknown. lower Jackson gr., upper Eocene
- 2516a *Cochlespira (Ancistrosyrinx) columbaria* (Aldrich) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 20; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 436, pl. 60, figs. 10, 11
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2516b *Cochlespira (Ancistrosyrinx) columbaria* (Aldrich) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 47, pl. 9, fig. 21; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 436, pl. 60, fig. 12
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2514 *Cochlespira (Ancistrosyrinx) columbaria petropolis* Harris
 Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 18
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)

- 2515 **Cochlespira (Ancistrosyrinx) columbaria petropolis** Harris
Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 19
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 2506 **Cochlespira cristata** (Conrad)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 45, pl. 9, fig. 1
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2507a **Cochlespira cristata greggi** Harris
Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 2
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 2507b **Cochlespira cristata greggi** Harris
Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 46, pl. 9, fig. 3
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- Cochlespira terebralis** (Lamarck)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 45, pl. 9, fig. 17 (not de-
posited in 1937)
Paris Basin, France Lutetian, middle Eocene
- 2500 **Cochlespirella insignifica** (Heilprin)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 43, pl. 8, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2502 **Cochlespirella insignifica** (Heilprin)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 43, pl. 8, fig. 31
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2503 **Cochlespirella insignifica** (Heilprin)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 43, pl. 8, fig. 32
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2504 **Cochlespirella insignifica** (Heilprin)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 43, pl. 8, fig. 33
Near Columbus, Sabine Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2505 **Cochlespirella insignifica** (Heilprin)
Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 43, pl. 8, fig. 34
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2501 **Cochlespirella insignifica alabama** Harris
Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 44, pl. 8, fig. 30 (broken in
author preparation)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

Cochlespiropsis see also **Turricula** (**Cochlespiropsis**)

- 24720 **Cochliolepis striata** (Stimpson) Dall Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 103, pl. 22, fig. 142c;
Perry and Schwengel, 1955, p. 111, pl. 22, fig. 142c
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 3476 **Codakia magnolioides** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 34, pl. 9, fig. 2
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3476a **Codakia magnolioides** Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 34, (4 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 24647 **Codakia orbiculata** (Montagu) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 58, pl. 11, fig. 68; Perry
and Schwengel, 1955, p. 66, pl. 11, fig. 68
Sanibel, Lee Co., Fla. Recent
- Codakia peruviana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 5, fig. 3 (missing
prior to 1937)
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- Codakia peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 5, fig. 6 (missing
prior to 1937)
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 3786 **Codiopsis clae** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 18, pl. 1, figs. 4-6
NW. of Esperanza switch 150 m., on Central San Antonio R.R.,
about 10 km. E. of Madruga, E. Habana Prov., Cuba
lower Upper Cretaceous
- 3787 **Coenholectypus cubae** Hawkins Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 25, pl. 1, fig. 7
NW. of Esperanza switch 150 m., on Central San Antonio R.R.,
about 10 km. E. of Madruga, E. Habana Prov., Cuba
lower Upper Cretaceous
- 3788 **Coenholectypus cubae** Hawkins Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 25, pl. 1, fig. 8
NW. of Esperanza switch 150 m., on Central San Antonio R.R.,
about 10 km. E. of Madruga, E. Habana Prov., Cuba
lower Upper Cretaceous
- 3789 **Coenholectypus cubae** Hawkins Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 25, pl. 1, figs. 9, 10
NW. of Esperanza switch 150 m., on Central San Antonio R.R.,
about 10 km. E. of Madruga, E. Habana Prov., Cuba
lower Upper Cretaceous

- 20163 **Coilopoceras** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650
Talus slope on S. side of Quebrada La Luna immediately downstream from 2d travertine terrace which blocks quebrada approx. 125 m. downstream from Cogollo contact, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 20164 **Coilopoceras** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 5, fig. 2
Float specimen from La Luna Quebrada, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 24793 **Colubraria lanceolata** (Menke) Representative specimen
Perry and Schwengel, 1955, p. 158, pl. 31, fig. 222
Sanibel, Lee Co., Fla. Recent
- 1059 **Columbella inflata brassica** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 211, pl. 36, fig. 8
Brasso dist., Montserrat Ward, SE. Caroni Co., Trinidad, W. I. middle Miocene
- 24794 **Columbella rusticoides** Heilprin Representative specimen
Perry and Schwengel, 1955, p. 160, pl. 31, fig. 223
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 21069 **Columbella submercatoria** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 125, pl. 10, fig. 33
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21070 **Columbella submercatoria** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 125, pl. 10, fig. 34
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 20238 **Columbellopsis** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 294, depth 3874-3894 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 25343 **Colus stimpsoni** (Moerch) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937, p. 25, pl. 4, fig. 5
Seal Harbor, Mt. Desert I., Hancock Co., Me. Recent
- 21760 **?Conchidium** sp. indet. Figured specimen
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 16, pl. 3, fig. 11
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 4090 **Condylocardia panamensis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 34, pl. 3, fig. 9 (lost during preparation)
Punta de Piedra, 4 mi. S. of Puerto Armuelles, Chiriquí Prov., Pan. Armuelles fm., Pleistocene

- 4091 **Condylocardia panamensis** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 34, pl. 3, fig. 10, (lost during preparation)
Punta de Piedra, 4 mi. S. of Puerto Armuelles, Chiriquí Prov., Pan. Armuelles fm., Pleistocene
- 20217 **Condylocardia** sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1692
Well Ambrosio No. 20, depth 2112-2113 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 21785 **?Conocardium** sp. Figured specimen
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 26, pl. 6, figs. 4, 5
Caño Grande branch upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 22953 **Conomitra caribbeana** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 48, pl. 6, figs. 14, 15
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 3256 **Conomitra fusoides** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 408, pl. 66, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3257 **Conomitra fusoides** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 408, pl. 66, figs. 24, 26
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3258 **Conomitra fusoides lepa** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 409, pl. 66, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3259 **Conomitra fusoides lepa** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 409, pl. 66, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3260 **Conomitra fusoides lepa** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 409, pl. 66, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 4784 **Conomitra hammakeri** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 402, pl. 56, fig. 13
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4785 **Conomitra hammakeri** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 402, pl. 56, fig. 14
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene

- 4786 *Conomitra hammakeri* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 402,
pl. 56, fig. 15
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4787 *Conomitra hammakeri* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 402,
pl. 56, fig. 16
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4788 *Conomitra jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 401,
pl. 56, fig. 17
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 24117 *Conomitra lavelana* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 43,
pl. 24, figs. 1, 2
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 24118 *Conomitra lavelana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 43,
pl. 24, figs. 3, 4
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 24121 *Conomitra lavelana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 43,
pl. 24, figs. 7, 11
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 24119 *Conomitra lavelana falconensis* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 43,
pl. 24, figs. 5, 9
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 3261 *Conomitra texana* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 410, pl. 66, fig. 21
Little Brazos R., $2\frac{1}{2}$ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3262 *Conomitra texana* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 410, pl. 66, fig. 22
Little Brazos R., $2\frac{1}{2}$ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3251 *Conomitra texana orangeburgensis* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 410, pl. 66, fig. 12
Orangeburg district, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene

- 3252 **Conomitra texana orangeburgensis** Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 410, pl. 66, fig. 15
 Orangeburg district, Orangeburg Co., S. C. McBean fm.,
 upper Claiborne gr., middle Eocene
- Conomitra tracyi** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 38, pl. 4, fig. 9 (lost
 prior to 1937)
 Near Choctaw Corner, NW. of Thomasville, Clarke Co., Ala.
 Wilcox [Sabine] fm., lower Eocene
- 24120 **Conomitra weeksi** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 43,
 pl. 24, figs. 6, 8
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 4971 **Conorbis alatoideus** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 443,
 pl. 61, fig. 19
 Gibson Ldg., Ouachita R., Caldwell Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4972 **Conorbis alatoideus** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 443,
 pl. 61, fig. 24
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4973 **Conorbis alatoideus** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 443,
 pl. 61, fig. 23
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4974 **Conorbis alatoideus** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 443,
 pl. 61, fig. 25
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4975 **Conorbis alatoideus** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 443,
 pl. 61, figs. 20, 21
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4031 **Conus arcuatus** Sowerby Hypotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 50, pl. 6, fig. 13
 Río Guanabaron, near Puerto Armuelles, Chiriquí Prov., Pan.
 Armuelles fm., Pleistocene
- 4030 **Conus (Leptoconus) arcuatus vacuanus** Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 49, pl. 6, fig. 11
 Quebrada Mellisa, 3½ mi. upstream, Chiriquí Prov., Pan.
 Charco Azul fm., Pliocene
- 4116 **Conus (Leptoconus) arcuatus vacuanus** Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 49, pl. 6, fig. 12

- Quebrada Mellisa, 11 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 2275 **Conus (Dendroconus) bravoii** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 151, pl. 16, fig. 1
Near Bayovar, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2276 **Conus (Dendroconus) bravoii** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 151, pl. 16, fig. 3
Near Bayovar, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2277 **Conus (Dendroconus) bravoii** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 151, pl. 16, fig. 4
Near Bayovar, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 1030 **Conus burekhardti** Böse Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 187, pl. 34, fig. 5
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.
Manzanilla fm., Miocene
- 20902 **Conus burekhardti** Böse Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 52, pl. 3, fig. 4
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20903 **Conus burekhardti** Böse Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 52, pl. 3, fig. 5
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2144 **Conus chiraensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 39; v. 17, No. 63, 1931,
pl. 21, fig. 6 variation
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2145 **Conus chiraensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 39; v. 17, No. 63, 1931,
pl. 21, fig. 7 variation
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 24211 **Conus chiraensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 39, pl. 5, figs. 1, 10
Either Quercotilla or Casa Saman, Chira Valley, Dept. of Piura,
Peru Chira sh., lower Oligocene
- 24212 **Conus chiraensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 39, pl. 5, fig. 2
Either Quercotilla or Casa Saman, Chira Valley, Dept. of Piura,
Peru Chira sh., lower Oligocene
- 24214 **Conus chiraensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 39, pl. 5, fig. 4

- Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 22938 **Conus colombiensis** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 57, pl. 5, fig. 12
Near Tuberá, Dept. of Atlantico, Col. middle Miocene
- 3427 **Conus draperi** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 5, pl. 1, fig. 4
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 24828 **Conus floridanus** Gabb Representative specimen
Perry and Schwengel, 1955, p. 179, pl. 37, fig. 255
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 20901 **Conus floridanus costaricensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 45, pl. 3, fig. 3
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20907 **Conus floridanus costaricensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 45, pl. 3, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20879 **Conus gracilissimus** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 52, pl. 1, fig. 14
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20913 **Conus granozonatus** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 50, pl. 3, fig. 15
Río Blanco, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20899 **Conus harrisi** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 53, pl. 3, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20895 **Conus imitator** Brown and Pillsbury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 45, pl. 2, fig. 6
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 20910 **Conus cf. interstinctus** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 48, pl. 3, fig. 12
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24830 **Conus jaspideus** Gmelin Representative specimen
Perry and Schwengel, 1955, p. 180, pl. 37, fig. 257
Four fm. off Sanibel, Lee Co., Fla. Recent
- 24920 **Conus jaspideus** Gmelin Hypotype
Perry and Schwengel, 1955, p. 180, pl. 54, fig. 361 (egg cap-
sules)
Sanibel, Lee Co., Fla. Recent

- 20905 **Conus limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 47, pl. 3, fig. 7
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20906 **Conus limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 47, pl. 3, fig. 8
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20883 **Conus marginatus** Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 51, pl. 1, fig. 20
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20495 **Conus (Leptoconus) masasensis** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 139, pl. 8, fig. 10
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20496 **Conus (Leptoconus) masasensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 139, pl. 8, fig. 9
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20890 **Conus molis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 42, pl. 2, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20891 **Conus molis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 42, pl. 2, fig. 2
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22942 **Conus molis** Brown and Pilsbry Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 56, pl. 6, fig. 1
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 20884 **Conus multistriatus** Böse Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 54, pl. 1, fig. 21
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20886 **Conus multistriatus** Böse Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 54, pl. 1, fig. 23
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2278 **Conus (Leptoconus) multiliratus spiekeri** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 153, pl. 16, fig. 5
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 2280 **Conus (Leptoconus) multiliratus spiekeri** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 153, pl. 16, fig. 7
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene

- 20885 **Conus musaensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 47, pl. 1, fig. 22, (missing prior to 1937)
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20887 **Conus musaensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 47, pl. 1, fig. 24
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 3428 **Conus nemorideditus** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 5, pl. 1, fig. 5
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff gr., upper lower Miocene
- 24222 **Conus peruvianus** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 5, fig. 13
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24223 **Conus peruvianus** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 5, fig. 14
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24224 **Conus peruvianus** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 5, fig. 15
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 1031 **Conus planiliratus** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 186, pl. 34, fig. 6
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 20908 **Conus planiliratus** Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 50, pl. 3, fig. 10
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 20911 **Conus planiliratus** Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 50, pl. 3, fig. 13
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 20912 **Conus planiliratus bocasensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 51, pl. 3, fig. 14
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 20914 **Conus planiliratus bocasensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 51, pl. 3, fig. 16
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene

- 20892 **Conus proteus** Hwass Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 43, pl. 2, fig. 3
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20893 **Conus proteus** Hwass Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 43, pl. 2, fig. 4
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20898 **Conus recognitus** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 46, pl. 2, fig. 9 (lost prior
to 1955)
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20497 **Conus (Leptoconus) roigi** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 140, pl. 9, fig. 9
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW.
Ecu. Subibaja fm., lower Miocene
- 20498 **Conus (Leptoconus) roigi** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 140, pl. 9, fig. 7
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW.
Ecu. Subibaja fm., lower Miocene
- 3323 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3324 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 2
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3325 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 3
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 3326 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 4
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. ¼
Sec. 35, T. 5 N., R. 13. W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3327 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 5
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 3328 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 6
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene. (Not 3338 as in expl. of pl.)

- 3329 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 7
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 3330 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, figs. 8, 14
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 3331 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 9
Orangeburg district, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 3332 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 10
Orangeburg district, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 3333 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 13
Orangeburg district, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 3334 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3335 **Conus (Lithoconus) sauridens** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 458, pl. 71, fig. 12
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4790 **Conus (Lithoconus) sauridens** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 444,
pl. 62, fig. 16
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4791 **Conus (Lithoconus) sauridens** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 444,
pl. 62, fig. 18
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4792 **Conus (Lithoconus) sauridens** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 444,
pl. 62, fig. 15
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4793 **Conus (Lithoconus) sauridens** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 444,
pl. 62, fig. 20
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene

- 3348 *Conus (Lithoconus) smithvillensis* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 464, pl. 73, figs. 17, 21
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2279 *Conus (Leptoconus) sophus* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 154, pl. 16, fig. 6
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2281 *Conus (Leptoconus) sophus* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 154, pl. 16, fig. 8
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2282 *Conus (Leptoconus) sophus* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 154, pl. 16, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 24922 *Conus sozoni* Bartsch Hypotype
Perry and Schwengel, 1955, p. 179, pl. 55, fig. 363
Off Tarpon Springs, Pinellas Co., Fla. Recent
- 20136 *Conus* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 24827 *Conus spurius atlanticus* Clench Representative specimen
Perry and Schwengel, 1955, p. 178, pl. 37, fig. 254
San Carlos Bay, Sanibel, Lee Co., Fla. Recent
- 24829 *Conus stearnsi* Conrad Representative specimen
Perry and Schwengel, 1955, p. 180, pl. 37, fig. 256
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 1028 *Conus stenostoma* Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 185, pl. 34, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 20900 *Conus stenostoma* Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 42, pl. 3, fig. 2
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 3429 *Conus trajectionis* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 5, pl. 1, fig. 6
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 20896 *Conus toroensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 48, pl. 2, fig. 7
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene

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| 20904 | <i>Conus tortuosopunctatus</i> Toulà | Hypotype |
| | Olsson, B.A.P., v. 9, No. 39, 1922, p. 54, pl. 3, fig. 6 | |
| | Mt. Hope, C. Z. | Gatun fm., middle Miocene |
| 20909 | <i>Conus tortuosopunctatus</i> Toulà | Hypotype |
| | Olsson, B.A.P., v. 9, No. 39, 1922, p. 54, pl. 3, fig. 11 | |
| | Mt. Hope, C. Z. | Gatun fm., middle Miocene |
| 20880 | <i>Conus (Chelyconus) tortuosostriatus</i> Toulà | Hypotype |
| | Olsson, B.A.P., v. 9, No. 39, 1922, p. 49, pl. 1, fig. 15 | |
| | Bocas del Toro, Bocas del Toro Prov., Pan. | Gatun fm., middle Miocene |
| 20894 | <i>Conus veatchi</i> Olsson | Syntype |
| | Olsson, B.A.P., v. 9, No. 39, 1922, p. 44, pl. 2, fig. 5 | |
| | Water Cay, Bocas del Toro Prov., Pan. | Gatun fm., middle Miocene |
| 20897 | <i>Conus veatchi</i> Olsson | Syntype |
| | Olsson, B.A.P., v. 9, No. 39, 1922, p. 44, pl. 2, fig. 8 | |
| | Water Cay, Bocas del Toro Prov., Pan. | Gatun fm., middle Miocene |
| 20068- | <i>Conus waccamawensis</i> B. Smith | Paratypes |
| 20070 | Smith, B., Acad. Nat. Sci. Phila., Proc. for 1930, v. 82, 1931, p. 286 | |
| | Nixon's Ldg., Waccamaw R., Horry Co., S. C. | Waccamaw fm., lower Pliocene |
| 20071- | <i>Conus waccamawensis</i> B. Smith | Paratypes |
| 20072 | Smith, B., Acad. Nat. Sci. Phila., Proc. for 1930, v. 82, 1931, p. 286 | |
| | Acme, Columbus Co., N. C. | Waccamaw fm., lower Pliocene |
| 3307 | <i>Coptostoma rameum</i> Palmer | Holotype |
| | Palmer, B.A.P., v. 7, No. 32, 1937, p. 455, pl. 70, figs. 1, 7; | |
| | Palmer, B.A.P., v. 28, No. 112, 1944, p. 19 | |
| | Moseley's Ferry, [Stone City Bluff], Brazos R., Burleson Co., Tex., | Stone City beds, middle Claiborne gr., middle Eocene |
| | See <i>Bonellitia ulmula</i> (Harris) | |
| 4455 | <i>Coptostoma rameum</i> Palmer | Paratype |
| | Palmer, B.A.P., v. 28, No. 112, 1944, p. 19, pl. 1, fig. 3 | |
| | Exact locality unknown, La. | Cook Mt. fm., upper Claiborne gr., middle Eocene |
| 4455a-c | <i>Coptostoma rameum</i> Palmer | Paratypes |
| | Palmer, B.A.P., v. 28, No. 112, 1944, p. 19 | |
| | Exact locality unknown, La. | Cook Mt. fm., upper Claiborne gr., middle Eocene |
| 20004 | <i>Coptostoma ulmulum secutorum</i> Palmer | Holotype |
| | Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 413, pl. 63, fig. 25 | |
| | Montgomery Ldg., Red R., Grant Par., La. | Moodys Branch fm., lower Jackson gr., upper Eocene |

- 20005 *Coptostoma ulmulum secutorum* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 413,
pl. 63, fig. 24
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 20006 *Coptostoma ulmulum secutorum* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 413,
pl. 63, fig. 23
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 172 *Coralliophaga prima* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 60, pl. 13, figs. 4, 4a
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 173 *Coralliophaga prima* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 60, pl. 13, fig. 5
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 2996 *Coralliophila (Aldrichia) aldrichi* (Cossmann) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 262, pl. 34, figs. 1, 3
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
Type species *Aldrichia* Palmer, 1937 = *Timothia* Palmer, 1938,
B.A.P., v. 24, No. 80, p. 3
- 991 *Corbicula (Cyanocyclus) caroniana* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 174, pl. 30, fig. 9
One half mi. post of Freeport-Todd's rd., NW. central Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. upper
Miocene
- 984 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 1
Cedros Point, N. shore, Esperanza Bay, Cedros Ward, W. St.
Patrick Co., Trinidad, W. I. lower Pliocene
- 990 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 8
Cedros Point, N. shore, Esperanza Bay, Cedros Ward, W. St.
Patrick Co., Trinidad, W. I. lower Pliocene
- 992 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 10
One half mi. on Comparo rd. near Sangre Grande, S. central
Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene
- 993 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 11
One half mi. on Comparo rd. near Sangre Grande, S. central
Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene
- 994 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 12

One half mi. on Comparo rd. near Sangre Grande, S. central
Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene

- 986 *Corbicula (Cyanocyclus) comparana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 173, pl. 30, fig. 4
One half mi. on Comparo rd., near Sangre Grande, S. central
Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene
- 171 *?Corbicula cornelliana* Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 65, pl. 13, fig. 3
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 989 *Corbicula (Cyanocyclus) coubarillia* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 174, pl. 30, fig. 7
Point Coubaril, Brighton, N. La Brea Ward, N. central St.
Patrick Co., Trinidad, W. I. lower Pliocene
- 20089 *Corbicula (Cyanocyclus) desolai* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 19, pl. 2, fig. 8
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20093 *Corbicula (Cyanocyclus) desolai* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 19, pl. 2, fig. 12
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20094 *Corbicula (Cyanocyclus) desolai* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 19, pl. 2, fig. 13
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20096 *Corbicula (Cyanocyclus) desolai* Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 19, pl. 2, fig. 16
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 4834 *Corbicula meridionalis* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 47, pl. 4, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4835 *Corbicula meridionalis* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 47, pl. 4, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 20090 *Corbicula (Cyanocyclus) monagasensis* Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 20, pl. 2, figs. 9, 14
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20091 *Corbicula (Cyanocyclus) monagasensis* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 20, pl. 2, fig. 10
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene

- 20092 *Corbicula (Cyanocyclus) monagasensis* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 20, pl. 2, fig. 11
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20095 *Corbicula (Cyanocyclus) monagasensis* Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 20, pl. 2, fig. 15
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 4010 *Corbicula (Cyanocyclus) pacchiana* Palmer Holotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 51,
pl. 9, fig. 5
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecua.
possible Miocene
- 1121 *Corbis claibornensis* Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 123, pl. 40, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1122 *Corbis claibornensis* Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 123, pl. 40, fig. 4a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1123 *Corbis claibornensis* Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 123, pl. 40, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1124 *Corbis undata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 124, pl. 40, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2254 *Corbula (Tenuicorbula) acutirostra zorritensis* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 144, pl. 14, fig. 3
Quebrada Picos, Dept. of Tumbes, Peru upper Zorritos
fm., lower Miocene
- 1283 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 11
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1288 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1289 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1290 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 18

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1291 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1292 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1293 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1294 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1295 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1296 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 24
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1297 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1298 *Corbula alabamiensis* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 26
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4412a *Corbula (Caryocorbula) alabamiensis* Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1281 *Corbula alabamiensis* Lea [near *ima* de Gregorio] Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1282 *Corbula alabamiensis* Lea [near *ima* de Gregorio] Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 182 *Corbula alabamiensis* Lea "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 68, pl. 13, figs. 14, 14a
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1284 *Corbula alabamiensis citronella* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 12
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1285 *Corbula alabamiensis citronella* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 13
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1286 *Corbula alabamiensis ?gregorioi* Cossmann Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 186, pl. 56, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1287 *Corbula alabamiensis ?gregorioi* Cossmann Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 186, pl. 56, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1299 *Corbula alabamiensis tecla* de Gregorio Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1300 *Corbula alabamiensis tecla* de Gregorio Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1301 *Corbula alabamiensis tecla* de Gregorio Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1302 *Corbula alabamiensis tecla* de Gregorio Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 30
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 180 *Corbula aldrichi* Meyer Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 67, pl. 13, fig. 12
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 181 *Corbula aldrichi* Meyer Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 67, pl. 13, figs. 13, 13a
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 1338 *Corbula aldrichi* Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 189, pl. 57, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 1339 **Corbula aldrichi** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 189, pl. 57, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1340 **Corbula aldrichi** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 189, pl. 57, fig. 9
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3475 **Corbula antoniae** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 34, pl. 9, fig. 1
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3475a **Corbula antoniae** Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 34 (2 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 911 **Corbula arionis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 111, pl. 19, fig. 11
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 912 **Corbula arionis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 111, pl. 19, fig. 12
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 917 **Corbula arionis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 111, pl. 19, fig. 17
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 3600 **Corbula boggsi** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 50, pl. 11, fig. 18
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3601 **Corbula boggsi** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 50, pl. 11, fig. 19
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3602 **Corbula boggsi** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 50, pl. 11, fig. 20
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 880 **Corbula brassoensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 107, pl. 20, fig. 12
One half mi. above Brasso station No. 302, Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 4840 **Corbula broggii** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 65, pl. 6, figs. 1-3

Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian

- 24079 **Corbula (Caryocorbula) buenavistana** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 24,
 pl. 12, figs. 8, 10, 13
 In turn in quebrada 330 m. from its outlet into sea on Buena
 Vista structure at a point 4.7 km. E. and 4.1 km. N. of La Vela
 de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven.
 middle Miocene
- 24080 **Corbula (Caryocorbula) buenavistana** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 24,
 pl. 12, fig. 9
 In turn in quebrada 330 m. from its outlet into sea, on Buena
 Vista structure at a point 4.7 km. E. and 4.1 km. N. of La Vela
 de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven.
 middle Miocene
- 24081 **Corbula (Caryocorbula) buenavistana** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 24,
 pl. 12, fig. 11; pl. 8, fig. 6
 In turn in quebrada 330 m. from its outlet into sea, on Buena
 Vista structure at a point 4.7 km. E. and 4.1 km. N. of La Vela
 de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven.
 middle Miocene
- 24082 **Corbula (Caryocorbula) buenavistana** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 24,
 pl. 12, fig. 12
 Sec. W. end of Urumaco, Dist. of Democracia, St. of Falcón,
 Ven. middle Miocene
- 3588 **Corbula busera** Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 53, pl. 11, fig. 5; Vokes,
 1945, p. 9, pl. 2, fig. 17
 Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 3589 **Corbula busera** Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 53, pl. 11, figs. 6, 7; Vokes,
 1945, p. 9, pl. 2, figs. 18, 19
 Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 3590 **Corbula busera** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 53, pl. 11, fig. 8; Vokes,
 1945, p. 9, pl. 2, fig. 20
 Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 873 **Corbula caribaea** d'Orbigny Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 102, pl. 20, fig. 5
 Gulf of Paria, W. coast of Trinidad, W. I. Recent
- 877 **Corbula caribaea** d'Orbigny Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 102, pl. 20, fig. 9
 Gulf of Paria, W. Coast of Trinidad, W. I. Recent
- 24699 **Corbula caribaea** d'Orbigny Representative specimen
 Perry and Schwengel, 1955, p. 91, pl. 18, fig. 119
 Four-six fm. off Sanibel, Lee Co., Fla. Recent

- 876 ***Corbula caribaea pergrata*** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 103, pl. 20, fig. 8
 In pitch on shore W. of Brighton, N. La Brea Ward, N. central
 St. Patrick Co., Trinidad, W. I. Pliocene
- 24064 ***Corbula carrizalana*** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 23,
 pl. 10, fig. 4
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
 of Colina, St. of Falcón, Ven. upper middle Miocene
- 24065 ***Corbula carrizalana*** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 23,
 pl. 10, figs. 6, 9
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
 of Colina, St. of Falcón, Ven. upper middle Miocene
- 24066 ***Corbula carrizalana*** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 23,
 pl. 10, fig. 7
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
 of Colina, St. of Falcón, Ven. upper middle Miocene
- 24067 ***Corbula carrizalana*** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 23,
 pl. 10, fig. 8
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
 of Colina, St. of Falcón, Ven. upper middle Miocene
- 920 ***Corbula cistellula*** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 110, pl. 19, fig. 20
 Fossil Ravine, S. of 5½ mi. post of Brasso-Tamana rd., E.
 Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
 Machapoorie mem., Manzanilla fm., Miocene
- 1332 ***Corbula compressa*** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 1
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1333 ***Corbula compressa*** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 2
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1334 ***Corbula compressa*** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1335 ***Corbula compressa*** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 4
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1336 ***Corbula compressa*** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 5
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 1337 **Corbula compressa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 187, pl. 57, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 179 **Corbula concha** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 66, pl. 13, fig. 11
Near mouth of Bashi Cr., Tombigbee R., Clarke Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 14920 **Corbula (Caryocorbula) conradi** Gardner Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14942 **Corbula (Caryocorbula) conradi** Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 14950 **Corbula (Caryocorbula) conradi** Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va., Yorktown fm., upper Miocene
- 14958 **Corbula (Caryocorbula) conradi** Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 14964 **Corbula (Caryocorbula) conradi** Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, base of bank, York Co., Va.
Yorktown fm., upper Miocene
- 14973 **Corbula (Caryocorbula) conradi** Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper beach, James City
Co., Va., Yorktown fm., upper Miocene
- 24698 **Corbula contracta** Say Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 84, pl. 18, fig. 118
Sanibel, Lee Co., Fla. Recent
- 2172 **Corbula (Bothrocorbula) cruziana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 141, pl. 3, fig. 5
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 2183 **Corbula (Bothrocorbula) cruziana** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 141, pl. 4, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 870 **Corbula cubaniana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 103, pl. 20, fig. 2
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene

- 871 **Corbula cubaniana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 103, pl. 20, fig. 3
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 872 **Corbula cubaniana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 103, pl. 20, fig. 4
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 24879 **Corbula cubaniana** d'Orbigny Hypotype
Perry and Schwengel, 1955, p. 91, pl. 44, fig. 310
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 878 **Corbula daphnis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 104, pl. 20, fig. 10
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 879 **Corbula daphnis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 104, pl. 20, fig. 11
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 24071 **Corbula (Caryocorbula) democraciana** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 26,
pl. 11, figs. 1, 3, 6
First main ridge 350 m. N. of Urumaco, Dist. of Democracia,
St. of Falcón, Ven. upper middle Miocene
- 24072 **Corbula (Caryocorbula) democraciana** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 26,
pl. 11, figs. 2, 5
Loc. 1255 = "Coll. N. 185" = La Vela traverse, W. of Grave-
yard Rock at Carrizal, Dist. of Colina, St. of Falcón, Ven.
"Damsite fm."* [Caujarao fm.], upper middle Miocene
- 24073 **Corbula (Caryocorbula) democraciana** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 26,
pl. 11, fig. 4
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 1303 **Corbula densata** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 31
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 1304 **Corbula densata** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 32
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Miocene
- 1305 **Corbula densata** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 33
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Miocene

- 4408 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 11
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4409 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 12
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4410 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4411 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 14
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4412 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 15
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4413 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 17
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4414 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 18
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4415 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 19
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4416 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 20
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4417 **Corbula (Caryocorbula) densata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 115,
pl. 24, fig. 21
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 915 **Corbula diana** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 112, pl. 19, fig. 15
"Brasso Valley" = Caparo R., central Caroni Co., Trinidad,
W. I. Machapoorie mem., Manzanilla fm., Miocene
- 916 **Corbula diana** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 112, pl. 19, fig. 16
"Brasso Valley" = Caparo R., central Caroni Co., Trinidad,
W. I. Machapoorie mem., Manzanilla fm., Miocene
- 21182 **Corbula dietziana** C. B. Adams Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 268, pl. 21, fig. 8
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3974 **Corbula elevata** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 67, pl. 12, figs. 4, 5
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3975 **Corbula elevata** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 67, pl. 12, figs. 6, 7
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3976 **Corbula elevata** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 67, pl. 12, figs. 8, 9
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 1325 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 21
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1326 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 22
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1327 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 23
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1328 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 24
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1329 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 25
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1330 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 26
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene

- 1331 **Corbula extenuata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 194, pl. 58, fig. 27
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 21181 **Corbula gatunensis** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 14, pl. 21, fig. 7
Gatun, C. Z. Gatun fm., middle Miocene
- 24074 **Corbula (Aloidis) gatunensis** Toula Hypotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 27,
pl. 11, fig. 7
E. 1.5 km. and N. 900 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 1306 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1307 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1308 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1309 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1310 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1311 **Corbula gibbosa** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4105 **Corbula (Varicorbula) granti** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 45, pl. 2, fig. 8 (not 5005
as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4106 **Corbula (Varicorbula) granti** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 45, pl. 2, fig. 9 (not 5006
as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 3595 **Corbula greda** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 51, pl. 11, fig. 13

Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene

- 3596 **Corbula greda** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 51, pl. 11, fig. 14
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 913 **Corbula guaiconensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 110 *guaiconensis*, pl. 19,
fig. 13 *guaicoensis*
Near 13th mi. post, Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W.I. Machapoorie mem.,
Manzanilla fm., Miocene
- 914 **Corbula guaiconensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 110 *guaiconensis*, pl. 19,
fig. 14 *guaicoensis*
Near 13th mi. post, Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 918 **Corbula guaiconensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 110, pl. 19, fig. 18
Near 13th mi. post Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 21186 **Corbula hexacyma** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 269, pl. 21, fig. 12
Gatun, C. Z. Gatun fm., middle Miocene
- 21187 **Corbula hexacyma** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 269, pl. 21, fig. 13
Gatun, C. Z. Gatun fm., middle Miocene
- 22935 **Corbula (Cuneocorbula) hexacyma** Brown and Pilsbry Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 25, pl. 5, figs. 7, 9
(expl. loc. near Jesús del Monte)
E. of Esperanza, Dept. of Bolívar, Col. middle Miocene
- 22936 **Corbula (Cuneocorbula) hexacyma** Brown and Pilsbry Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 25, pl. 5, fig. 8
E. of Esperanza, Dept. of Bolívar, Col. middle Miocene
- 869 **Corbula hexagonella** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 106, pl. 20, fig. 1
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 3977 **Corbula (Bicorbula) idonea** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 66, pl. 12, figs. 10, 11
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3978 **Corbula (Bicorbula) idonea** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 66, pl. 12, fig. 12
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene

- 3979 *Corbula (Bicorbula) idonea* Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940 p. 66, pl. 12, figs. 13, 14
S. of Camp Roosevelt, Calvert Co., Md. Calvert fm., lower middle Miocene
- 902 *Corbula islatrinitatis*† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 101, pl. 19, fig. 1
Brasso junc. Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Miocene
- 908 *Corbula islatrinitatis*† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 101, pl. 19, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forbes Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 909 *Corbula islatrinitatis*† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 101, pl. 19, fig. 9
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forbes Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 910 *Corbula islatrinitatis*† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 101, pl. 19, fig. 10
Brasso junc., Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 3593 *Corbula jabonillaensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 52, pl. 11, fig. 11
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 3594 *Corbula jabonillaensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 52, pl. 11, fig. 12
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 24700 *Corbula krebsiana* C. B. Adams Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 85, pl. 18, fig. 120;
Perry and Schwengel, 1955, p. 91, pl. 18, fig. 120
Sanibel, Lee Co., Fla. Recent
- 874 *Corbula manzanillensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 105, pl. 20, fig. 6
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
- 875 *Corbula manzanillensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 105, pl. 20, fig. 7
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
- 3742 *Corbula montegrandensis* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 57, pl. 6, fig. 7
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru Monte Grande fm., Maestrichtian

- 1312 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 7
Claiborne Bluff, Alabama R. Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1313 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1314 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1315 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1317 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1318 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1319 **Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4404 **Corbula purchisoni** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 114,
pl. 24, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4405 **Corbula purchisoni** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 114,
pl. 24, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Corbula purchisoni** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 191, pl. 58, fig. 15 (lost
prior to 1937)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1316 **Corbula purchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 11
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene

- 1320 **Corbula murchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 16
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1321 **Corbula murchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 17
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1322 **Corbula murchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 18
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1323 **Corbula murchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 19
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1324 **Corbula murchisoni fossata** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 193, pl. 58, fig. 20
Exact locality not indicated, Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 3587 **Corbula negritensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 50, pl. 11, figs. 3, 4
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 2253 **Corbula (Caryocorbula) nelsoni** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 139, pl. 14, fig. 2
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2260 **Corbula (Caryocorbula) nelsoni** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 139, pl. 14, fig. 9
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 20200 **Corbula (Caryocorbula) cf. oropendula** Olsson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 2, depth 3298-3308 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulía, Ven. La Rosa fm.,
lower Miocene
- 21276 **Corbula oropendula** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 267, pl. 28, fig. 12
Saury Creek, Limon Prov., C. R. (not Banana R., as in expl.
of pl.) Gatun fm., middle Miocene
- 21276a **Corbula oropendula** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 267, pl. 28, fig. 14
Saury Creek Limon Prov., C. R. (not Banana R., as in expl.
of pl.) Gatun fm., middle Miocene
- 21286 **Corbula oropendula** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 267, pl. 28, figs. 13, 27
Banana R., Limon Prov., C. R. (not Saury Cr. as in expl of pl.
28, fig. 27) Gatun fm., middle Miocene

- 21286a **Corbula oropendula** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 267, pl. 28, fig. 26 (both valves)
Banana R., Limon Prov., C. R. (not Saury Cr. as in expl. of pl.) Gatun fm., middle Miocene
- 21183 **Corbula orosi** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 269, pl. 21, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21184 **Corbula orosi** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 269, pl. 21, fig. 10
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 4424 **Corbula (Bicorbula) pearlensis** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 117, pl. 25, figs. 1, 2
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson, upper Eocene
- 4406 **Corbula "perdubia"** of authors Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 114, pl. 24, fig. 9
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red Bluff cl., lower Oligocene
- 4407 **Corbula "perdubia"** of authors Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 114, pl. 24, fig. 10
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red Bluff cl., lower Oligocene
- 24055 **Corbula (Caryocorbula) quirosana** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25, pl. 9, fig. 10
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24056 **Corbula (Caryocorbula) quirosana** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25, pl. 9, figs. 11, 15
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24058 **Corbula (Caryocorbula) quirosana** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25, pl. 9, figs. 13, 17, 18
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24059 **Corbula (Caryocorbula) quirosana** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25, pl. 9, fig. 14
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene

- 24060 **Corbula (Caryocorbula) quirosana** F. Hodson Paratype
Hodson, F. and Hodson H. K., B.A.P., v. 16, No. 59, 1931, p. 25,
pl. 9, fig. 16
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 296 **Corbula (Anapteris) regalis** Van Winkle Hypotype
Van Winkle, B.A.P., v. 8, No. 36, 1921, p. 10, pl. 1, figs. 2, 3;
Vokes, Amer. Mus. Nat. Hist. Bull., v. 86, Art. 1, 1945, p. 18,
pl. 3, figs. 13, 14
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U. S. route 360, Hanover Co., Va. Nanjemoy fm., lower
Eocene
- 1391 **Corbula (Anapteris) regalis** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 7, pl. 1,
fig. 1
Newcastle (or Piping Tree), S. side of Pamunkey R., $\frac{3}{4}$ -1 mi.
E. of bridge on U. S. 360, Hanover Co., Va. Nanjemoy
fm., lower Eocene
Type species of *Anapteris* Van Winkle, 1919
- 1392 **Corbula (Anapteris) regalis** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 7, pl. 1,
fig. 2; Vokes, Amer. Mus. Nat. Hist. Bull., v. 86, Art. 1, 1945,
p. 18, pl. 3, figs. 11, 12
Newcastle (or Piping Tree), S. side of Pamunkey R., $\frac{3}{4}$ -1 mi.
E. of bridge on U. S. 360, Hanover Co., Va. Nanjemoy
fm., lower Eocene
- 1349 **Corbula rugosa** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 18
Grignon, 19 mi. W. of Paris, Dept. Seine-et-Oise, France
Lutetian, lower middle Eocene
- 1350 **Corbula rugosa** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 19
Grignon, 19 mi. W. of Paris, Dept. Seine-et-Oise, France
Lutetian, lower middle Eocene
- 1351 **Corbula rugosa** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31., 1919, p. 190, pl. 57, fig. 20
Grignon, 19 mi. W. of Paris, Dept. Seine-et-Oise, France
Lutetian, lower middle Eocene
- 1352 **Corbula rugosa** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 21
Grignon, 19 mi. W. of Paris, Dept. Seine-et-Oise, France
Lutetian, lower middle Eocene
- 3597 **Corbula salina** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 51, pl. 11, fig. 15
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3598 **Corbula salina** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 51, pl. 11, fig. 16
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 3599 **Corbula salina** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 51, pl. 11, fig. 17
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 906 **Corbula sanctiandreae**† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 100, pl. 19, fig. 6
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., lower Miocene
- 907 **Corbula sanctiandreae**† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 100, pl. 19, fig. 7
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., lower Miocene
- Corbula sanctiandreae**† Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 100, pl. 19, fig. 5 (lost
prior to 1937)
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 903 **Corbula sanctidominici**† Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 98, pl. 19, fig. 2
Dom. Rep. Cercado fm., lower Miocene
- 1341 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 10
Locality not indicated. Cook Mt. fm., upper Claiborne
gr., middle Eocene
See *Vokesula smithvillensis petropolitana* Stenzel and Twining
- 1342 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 11
Mt. Lebanon, Bienville Par., or 1000 ft. deep in well, Winnfield,
Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
See *Vokesula smithvillensis petropolitana* Stenzel and Twining
- 1343 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 12
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 1344 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 13
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 1345 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 14
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 1346 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 15

- Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 1347 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 16
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 1348 **Corbula smithvillensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 188, pl. 57, fig. 17
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
See *Vokesula smithvillensis* (Harris)
- 20311 **Corbula** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20821 **Corbula** sp. Unfigured specimen
Jenkins, Amer. Philos. Soc. Proc., v. 52, No. 211, 1913, p. 450
Itapasaroca, Natal, Prov. of Rio Grande do Norte, Brazil
Upper Cretaceous
- 20201 **Corbula (Caryocorbula) sp. 1** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 297, depth 4637-4641 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20203 **Corbula (Tenuicorbula) sp.** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well La Rosa No. 186, depth 2650-2660 ft., Bolívar Coastal Field, Dist. of Bolívar, S. of Zulia, Ven. La Rosa fm., lower Miocene
- 1273 **Corbula subengonata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1274 **Corbula subengonata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1275 **Corbula subengonata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1276 **Corbula subengonata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 1279 **Corbula subengonata** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1277 **Corbula subengonata** Dall "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1278 **Corbula subengonata** Dall "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1280 **Corbula subengonata** Dall "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 185, pl. 56, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1826 **Corbula swiftiana** C. B. Adams? Hypotype
Harris, B.A.P., v. 1, No. 3, 1895, p. 12, pl. 2, fig. 6
Galveston Deep Well (1891-1892), depth 300? ft. - 2920 ft.,
Galveston Co., Tex. Miocene
See *Corbula swiftiana harrisi* Dall
- 24701 **Corbula swiftiana** C. B. Adams Representative specimen
Perry and Schwengel, 1955, p. 91, pl. 18, fig. 121
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 1826 **Corbula swiftiana harrisi** Dall Holotype
Harris, B.A.P., v. 1, No. 3, 1895, p. 12, pl. 2, fig. 6; Dall,
Wagner Free Inst. Sci. Trans., v. 3, pt. 4, 1898, p. 855
Galveston Deep Well (1891-1892), depth 300? ft. - 2920 ft.,
Galveston Co., Tex. Miocene
See *Corbula swiftiana* C. B. Adams?
- 3591 **Corbula tangara** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 52, pl. 11, fig. 9
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3592 **Corbula tangara** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 52, pl. 11, fig. 10
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 2258 **Corbula (Tenuicorbula) tenuis lupina** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 143, pl. 14, fig. 7; Vokes,
1945, p. 9, pl. 2, fig. 12
Quebrada Tucillal, Dept. of Tumbes, Peru Tumbes* fm.,
upper Miocene
- 2261 **Corbula (Tenuicorbula) tenuis lupina** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 143, pl. 14, fig. 10; Vokes,
1945, p. 9, pl. 2, fig. 9
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene

- 1355 **Corbula texana** Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 26
Exact locality not indicated, Tex. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1356 **Corbula texana** Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 27
Exact locality not indicated, Tex. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1357 **Corbula texana** Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 28
Exact locality not indicated, Tex. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- Corbula texana** Gabb Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 190, pl. 57, fig. 24 (lost
prior to 1937)
Exact locality not designated, Tex. Claiborne gr., middle
Eocene
- 4841 **Corbula tuma** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 65, pl. 6, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 4842 **Corbula tuma** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 65, pl. 6, fig. 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 4843 **Corbula tuma** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 65, pl. 6, fig. 10
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 4844 **Corbula tuma** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 65, pl. 6, fig. 11
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 24076 **Corbula (Caryocorbula) urumacoensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25,
pl. 12, figs. 1, 4, 6, 7
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Demo-
cracia, St. of Falcón, Ven. upper middle Miocene
- 24077 **Corbula (Caryocorbula) urumacoensis** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25,
pl. 12, figs. 2, 5
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Demo-
cracia, St. of Falcón, Ven. upper middle Miocene
- 24078 **Corbula (Caryocorbula) urumacoensis** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 25,
pl. 12, fig. 3
Quebrada S. of Butare, Dist. of Colina, St. of Falcón, Ven.
upper middle Miocene

- 904 **Corbula vieta** Guppy Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 97, pl. 19, fig. 3
 Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
 Trinidad, W. I. Manzanilla fm., lower Miocene
- 905 **Corbula vieta** Guppy Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 97, pl. 19, fig. 4
 Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
 Trinidad, W. I. Manzanilla fm., lower Miocene
- 21277 **Corbula cf. vieta** Guppy Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 266, pl. 28, fig. 15
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21278 **Corbula cf. vieta** Guppy Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 266, pl. 28, fig. 16
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 919 **Corbula viminea** Guppy Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 108, pl. 19, fig. 19
 Dom. Rep. Cercado fm., lower Miocene
- 21285 **Corbula viminea** Guppy Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 270, pl. 28, fig. 25
 Middle Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 1353 **Corbula wailesiana** Harris in Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 189, pl. 57, fig. 22
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 1354 **Corbula wailesiana** Harris in Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 189, pl. 57, fig. 23
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4397 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113,
 pl. 23, figs. 27, 28
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4398 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113
 pl. 24, fig. 1
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 4399 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113,
 pl. 24, fig. 3
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene

- 4400 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113,
pl. 24, fig. 4
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4401 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113
pl. 24, fig. 5
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4402 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113
pl. 24, fig. 7
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4403 **Corbula (Aloidis) wailesiana** Harris in Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 113,
pl. 24, fig. 8
E. bank, Bayou Toro, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 6, T. 3 N., R. 11 W.,
(Harris and Veatch, 1899, p. 90), Vernon Par., La.
lower Jackson gr., upper Eocene
- 4418 **Corbula (Caryocorbula) willistoni** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116,
pl. 24, fig. 22
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4419 **Corbula (Caryocorbula) willistoni** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116,
pl. 24, fig. 23
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4420 **Corbula (Caryocorbula) willistoni** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116
pl. 24, fig. 24
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4421 **Corbula (Caryocorbula) willistoni** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116,
pl. 24, fig. 25
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4422 **Corbula (Caryocorbula) willistoni arkansia** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116
pl. 24, figs. 26, 27
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4423 **Corbula (Caryocorbula) willistoni arkansia** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 116,
pl. 24, fig. 28

E. bank Bayou Toro, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 6, T. 3 N., R. 11 W.,
(Harris and Veatch, 1899, p. 90), Vernon Par., La.
lower Jackson gr., upper Eocene

- 20199 **Corbula zuliana** F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well La Rosa No. 186, depth 2640-2650 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20310 **Corbula zuliana** F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 24062 **Corbula zuliana** F. Hodson Paratype
Hodson, F., and Hodson, H.K., B.A.P., v. 16, No. 59, 1931, p. 22,
pl. 10, figs. 1, 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 24063 **Corbula zuliana** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 22,
pl. 10, figs. 3, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 2546b **Cordieria biconica curta** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 61, pl. 11, fig. 7
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2546c **Cordieria biconica curta** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 61, pl. 11, fig. 7a
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2546a **Cordieria biconica newtonensis** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 8
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2547 **Cordieria ludoviciana** (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 9; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 438, pl. 61, fig. 3
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 2548 **Cordieria ludoviciana mississippiensis** Harris Syntype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2549 **Cordieria ludoviciana mississippiensis** Harris Syntype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 10a
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene

- 279 ***Cornulina armigera*** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 63, pl. 8, fig. 9
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 280 ***Cornulina armigera*** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 63, pl. 8, fig. 10
Nanafalia Ldg., Tombigbee R., Marengo Co., Ala.
lower Wilcox [Sabine] gr., lower Eocene
- Cornulina armigera*** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 63, pl. 8, fig. 8 (lost prior
to 1937)
Locality not designated Wilcox [Sabine] gr., lower
Eocene
- Cornulina armigera*** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 63, pl. 8, fig. 11 (lost prior
to 1937)
Locality not designated Wilcox [Sabine] gr., lower
Eocene
- 3109 ***Cornulina dalli*** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 350, pl. 47, figs. 5, 6;
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 360,
pl. 47, figs. 7, 8
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
See *Mazzalina inaurata dalli* (Harris)
- 4690 ***Cornulina dalli*** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 360,
pl. 47, figs. 10, 13, 14
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4691 ***Cornulina dalli*** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 360,
pl. 47, fig. 11
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4692 ***Cornulina dalli*** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 360,
pl. 47, fig. 12
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4693 ***Cornulina dalli cetaria*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 363,
pl. 48, fig. 9
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4694 ***Cornulina dalli cetaria*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 363,
pl. 48, fig. 10
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene

- 4695 ***Cornulina dalli cetaria*** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 363,
pl. 48, figs. 11, 13, 14
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4696 ***Cornulina dalli cetaria*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 363,
pl. 48, fig. 12
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4697 ***Cornulina louisianae*** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 365,
pl. 48, fig. 7
Exact locality unknown, La. lower Claiborne gr., middle
Eocene
- 4698 ***Cornulina louisianae*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 365,
pl. 48, fig. 8
Exact locality unknown, La. lower Claiborne gr., middle
Eocene
- 4699 ***Cornulina louisianae*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 365
Exact locality unknown, La. lower Claiborne gr., middle
Eocene
- 3057 ***Cornulina minax*** (Solander) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 338, pl. 41, fig. 11 (not
Melongena as in expl. of pl.)
Paris Basin, France Lutetian-Bartonian Eocene
- 3058 ***Cornulina minax armigera*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 339, pl. 41, fig. 12
Big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm,
3 mi. NW. of Stone City, Burleson Co., Tex. Probably is Cedar
Cr., near Wheelock, Robertson Co., Tex. (pers. commun. 1958,
Stenzel) Cook Mt. fm., upper Claiborne gr., middle
Eocene
- 3059 ***Cornulina minax armigera*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 339, pl. 41, figs. 14, 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20582 ***Coskinolinoides texanus*** Keijzer Paratype
Keijzer, K. Nederl. Akad. Wetensch., Proc., v. 45, No. 10, 1942,
p. 1016, text figs. a-j; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
ing 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 5168 ***Crania cf. leoni*** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 10, figs. 28, 29
Near Olean Rock City, Cattaraugus Co., N. Y. Oswayo
fm., Conewango stage, Upper Devonian
Crassatella see also *Crassatellites*

- 2462 **Crassatella alta** Conrad Hypotype
Tarr, Elementary Geology, Macmillan Co., 1906, p. 439, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3726 **Crassatella caudata** Gabb Hypotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 44, pl. 4, figs. 4, 6
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian - upper Albian
- 4307 **Crassatella clarkensis** (Dall) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 18, figs. 30, 31
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 7175 **Crassatella clarkensis** (Dall) Hypotype
Kent, in Brann and Kent, B.A.P., v. 40, No. 184, App. 1, 1960,
pl. 1, figs. 1, 2
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., (upper Lisbon fm.), upper Claiborne gr., middle Eocene
- 2463 **Crassatella clarkensis ludoviciana** Kent Paratype
Kent in Brann and Kent, B.A.P., v. 40, No. 184, App. 1, 1960,
pl. 1, fig. 4
Eight mi. W. of Enterprise, Clarke Co., Miss. Cook Mt.
fm., upper Claiborne gr., middle Eocene
- 2464 **Crassatella clarkensis ludoviciana** Kent Paratype
Kent in Brann and Kent, B.A.P., v. 40, No. 184, App. 1, 1960,
pl. 1, fig. 3
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2465 **Crassatella clarkensis ludoviciana** Kent Paratype
Kent in Brann and Kent, B.A.P., v. 40, No. 184, App. 1, 1960,
pl. 1, figs. 5, 6
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2466 **Crassatella clarkensis ludoviciana** Kent Holotype
Kent in Brann and Kent, B.A.P., v. 40, No. 184, App. 1, 1960,
pl. 1, figs. 7, 8
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4302 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, figs. 22, 23 (lost prior to 1957)
Robinson's Ferry ?, Sabine R., Sabine Co., Tex. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4303 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, figs. 24, 25
Robinson's Ferry ?, Sabine R., Sabine Co., Tex. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 4304 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, figs. 26, 27
Robinson's Ferry ?, Sabine R., Sabine Co., Tex. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4305 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, fig. 28
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4310 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, fig. 35
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4312 **Crassatella flexura** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, fig. 37
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4313 **Crassatella flexura** Conrad "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 18, fig. 38; pl. 19, fig. 1
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4314 **Crassatella flexura** Conrad "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 19, fig. 2
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4315 **Crassatella flexura** Conrad "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 19, fig. 3
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4316 **Crassatella flexura** Conrad "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 19, fig. 4
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4306 **Crassatella flexura producta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, fig. 29
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4311 **Crassatella flexura producta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 81,
pl. 18, fig. 36
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene

- 49 **Crassatella gabbi** Safford Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 63, pl. 5, fig. 8
One mi. S. of Palmer's mill, Smith's bridge on Camden Rd., 5
mi. W. of Snow Hill, Wilcox Co., Ala. Clayton fm.,
lower Midway gr., Paleocene
- 51 **Crassatella ?gabbi** Safford Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 63, pl. 5, fig. 9
Hardeman Co., Tenn. Midway gr., Paleocene
- 140 **Crassatella halei** Harris Holotype
Harris, B.A.P., v. 2., No. 9, 1897, p. 57, pl. 11, fig. 5
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 14922 **?Crassatella meridionalis** Dall Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14929 **?Crassatella meridionalis** Dall Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14999 **?Crassatella meridionalis** Dall Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 24490 **Crassatella ocordia** Harris Syntype
Harris, B.A.P., v. 33, No. 138, 1951, p. 20, pl. 10, figs. 1, 2
Pennsylvania Cement Corp., Clinchfield quarry, Houston Co.,
Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24491 **Crassatella ocordia** Harris Syntype
Harris, B.A.P., v. 33, No. 138, 1951, p. 20, pl. 10, fig. 4
Reddick, Marion Co., Fla. "Ocala ls.", Jackson gr.,
upper Eocene
- 24492 **Crassatella ocordia** Harris Syntype
Harris, B.A.P., v. 33, No. 138, 1951, p. 20, pl. 10, fig. 3
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 4308 **Crassatella protexta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 18, fig. 32
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 4309 **Crassatella protexta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 18, fig. 33
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene

- 4309a *Crassatella protexta* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 82,
pl. 18, fig. 34
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 24481 *Crassatella protexta sinus* Harris Syntype
Harris, B.A.P., v. 33, No. 138, 1951, p. 18, pl. 8, fig. 3
Georgia Lime Rock quarry, about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24482 *Crassatella protexta sinus* Harris Syntype
Harris, B.A.P., v. 33, No. 138, 1951, p. 18, pl. 8, fig. 4
Dixie Lime Products Co., Zuber, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 1885 *Crassatella schoonoverae* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 23,
pl. 5, figs. 4, 5 (missing prior to 1939)
Just N. of mouth of Luculo R. (green sands) Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 64 *Crassatella sepulcollis* Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 64, pl. 6, fig. 1
One-half mi. W. of Graveyard Hill, Allenton, Wilcox Co., Ala.
Midway gr., Paleocene
- 65 *Crassatella sepulcollis* Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 64, pl. 6, fig. 1a
One-half mi. W. of Graveyard Hill, Allenton, Wilcox Co., Ala.
Midway gr., Paleocene
- 4301 *Crassatella* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 80,
pl. 18, figs. 20, 21
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 1887 *Crassatella* sp. Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, pl. 5,
fig. 8 (missing prior to 1939)
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Corba at
Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
[Miocene, Darteville and Roger, 1954]
- 24483 *Crassatella* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, figs. 5, 7
Pennsylvania Cement Corp., Clinchfield quarry, Houston Co.,
Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24484 *Crassatella* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 6
Dixie Lime Products Co., near Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24485 *Crassatella* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 8

Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
 "Ocala ls.", Jackson gr., upper Eocene

- 24486 *Crassatella* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 9
 Dixie Lime Products Co., Reddick, Marion Co., Fla.
 "Ocala ls.", Jackson gr., upper Eocene
- 24487 *Crassatella* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 10
 Pennsylvania Cement Corp., Clinchfield quarry, Houston Co., Ga.
 "Ocala ls.", Jackson gr., upper Eocene
- 24488 *Crassatella* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 11
 Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
 "Ocala ls.", Jackson gr., upper Eocene
- 24489 *Crassatella* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 19, pl. 8, fig. 12
 Dixie Lime Products Co., Reddick, Marion Co., Fla.
 "Ocala ls.", Jackson gr., upper Eocene
- 138 *Crassatella tumidula* Whitfield Hypotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 56, pl. 11, fig. 3
 Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
 upper Wilcox [Sabine] gr., lower Eocene
- 139 *Crassatella tumidula* Whitfield Hypotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 56, pl. 11, fig. 4
 Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
 upper Wilcox [Sabine] gr., lower Eocene
- 14921 *Crassatella undulata* Say Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of bank lower end of beach, James City Co., Va.
 Yorktown fm., upper Miocene
- 14946 *Crassatella undulata* Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of bank lower end of beach, James City Co., Va.,
 Yorktown fm., upper Miocene
- 5 *Crassatella vadosa* Morton Hypotype
 Harris, La. Geol. Surv. Rpt., 1899, p. 295, pl. 50, fig. 5
 Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
 Bienville, Bienville Par., La. Upper Cretaceous
- Crassatellites* see also *Crassatella*
- 721 *Crassatellites altus* (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 104, pl. 35, fig. 6
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 772 *Crassatellites altus* (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 104, pl. 36, fig. 4
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 723 *Crassatellites altus* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 104, pl. 36, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 724 *Crassatellites altus* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 104, pl. 36, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21996 *Crassatellites aviaguensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 45, pl. 28, fig. 4
Between Aviagua and Los Tirantes, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 21997 *Crassatellites aviaguensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 45, pl. 28, fig. 7
Between Aviagua and Los Tirantes, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 21998 *Crassatellites aviaguensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 45, pl. 28, fig. 8
Between Aviagua and Los Tirantes, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 22800 *Crassatellites aviaguensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 45, pl. 28, fig. 10
Between Aviagua and Los Tirantes, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 22915 *Crassatellites aviaguensis* F. Hodson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 16, pl. 3, figs. 5, 6
Near Usiacuri, Dept. of Atlantico, Col. middle Miocene
- 21297 *Crassatellites* (*Crassinella*) *bowdenensis costaricensis* Olsson
Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 213, pl. 29, fig. 12
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 709 *Crassatellites clarkensis* Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 100, pl. 34, fig. 5
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 710 *Crassatellites clarkensis* Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 100, pl. 34, fig. 6
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 711 *Crassatellites clarkensis ferrocarolinus* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 34, fig. 7
Three mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene

- 712 **Crassatellites clarkensis ferrocarolinus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 34, fig. left 8
Three mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 713 **Crassatellites clarkensis ferrocarolinus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 34, figs. 8, 9
Three mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 714 **Crassatellites clarkensis ferrocarolinus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 34, fig. 10
Three mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 1404 **Crassatellites eutawcolens** Harris Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 14, pl. 2, fig. 4
Eutaw Springs, Orangeburg Co., S. C. Santee ls.,
Jackson gr., upper Eocene
- 21296 **Crassatellites (Crassinella) midiensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 213, pl. 29, fig. 11
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 997 **Crassatellites montserratensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 176, pl. 31, fig. 3
Springvale* [Mt. Pleasant quarry], 5100 ft. NNE. Forbes
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 706 **Crassatellites negreetensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 97, pl. 33, fig. 6
Sabine R., 200 yd. below mouth of Negreet Bayou, Sabine Par.,
La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 707 **Crassatellites negreetensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 97, pl. 33, fig. 7
Sabine R., 200 yd. below mouth of Negreet Bayou, Sabine Par.,
La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 708 **Crassatellites negreetensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 97, pl. 33, fig. 8
Sabine R., 200 yd. below mouth of Negreet Bayou, Sabine Par.,
La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1995 **Crassatellites neorhynchus** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 7, fig. 8
Chira Valley near Casa Saman, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 1997 **Crassatellites neorhynchus** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 7, fig. 10
Near Boca de Mancora, boundary between Depts of Piura and
Tumbes, Peru Mancora fm., middle Oligocene

- 715 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 716 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 717 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 2a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 718 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 719 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 720 **Crassatellites protexus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 101, pl. 35, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21173 **Crassatellites reevei** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 212, pl. 20, fig. 4
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22914 **Crassatellites reevei pleurarostra** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 16, pl. 3, figs. 3, 4
Near Usiacuri, near Tubera or Morro Hermoso, Dept. of
Atlantico, Col. Type locality not differentiated in text
or on label middle Miocene
- 701 **Crassatellites trapaquarus** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 96, pl. 33, figs. 1, 3 (part)
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 702 **Crassatellites trapaquarus** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 96, pl. 33, fig. 2
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 703 **Crassatellites trapaquarus** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 96, pl. 33, fig. 3 (part)
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 704 **Crassatellites trapaquarus** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 96, pl. 33, fig. 4

- Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 705 *Crassatellites trapaquarus* Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 96, pl. 33, fig. 5
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 995 *Crassatellites trinitarius* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 175, pl. 31, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 998 *Crassatellites trinitarius* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 175, pl. 31, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 21995 *Crassatellites trinitarius venezuelanus* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 45, pl. 28, figs. 2, 6
Chiparita traverse, SE. of La Vela, Dist. of Colina, St. of Falcón, Ven. "Damsite fm." [Caujarao fm.], upper middle Miocene
- 21999 *Crassatellites trinitarius venezuelanus* F. Hodson Holotype
Hodson, F., Holson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 45, pl. 28, fig. 9
Quebrada S. of Butare, Dist. of Colina, St. of Falcón, Ven. Miocene
- 21355 *Crassinella cahuitensis* Palmer Holotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 12, pl. 2, fig. 2
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene
- Crassinella guadalupensis* (d'Orbigny) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 177, pl. 31, figs. 4, 6 (lost prior to 1937)
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I. upper Pliocene
- Crassinella guppyi* (Dall) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 177, pl. 31, fig. 5 (lost prior to 1937)
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"] Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 24633 *Crassinella mactracea* (Linsley) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 53, pl. 9, fig. 55a; Perry and Schwengel, 1955, p. 59, pl. 9, fig. 55a
Sanibel, Lee Co., Fla. Recent

- 24634 **Crassinella mactracea** (Linsley) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 53, pl. 9, fig. 55b; Perry
and Schwengel, 1955, p. 59, pl. 9, fig. 55b
Sanibel, Lee Co., Fla. Recent
- 996 **Crassinella martinicensis** (d'Orbigny) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 178, pl. 31, fig. 2
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 690 **Crassinella minor** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 92, pl. 32, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 691 **Crassinella minor** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 92, pl. 32, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 692 **Crassinella minor** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 92, pl. 32, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 693 **Crassinella minor** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 92, pl. 32, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24307 **Crassinella nuculiformis** Berry Paratype
Berry, B.A.P., v. 25, No. 94A, 1940, p. 3,
W. side Gaffey St., San Pedro, Los Angeles Co., Calif.
upper Pleistocene
- 4300 **Crassinella pygmaea** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 79,
pl. 18, figs. 17, 18
Moody's Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 20204 **Crassinella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well La Rosa No. 186, depth 2650-2660 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa
fm., lower Miocene
- 20307 **Crassinella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 24195 **Crassispira capella** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 34, pl. 4, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24196 *Crassispira capella* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 34, pl. 4, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24846 *Crassispira sanibelensis* Bartsch and Rehder Representative specimen
Perry and Schwengel, 1955, p. 188, pl. 39, fig. 272
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24844 *Crassispira tampaensis* Bartsch and Rehder Representative specimen
Perry and Schwengel, 1955, p. 187, pl. 38, fig. 270
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24845 *Crassispira tampaensis bartschi* L. Perry Representative specimen
Perry and Schwengel, 1955, p. 187, pl. 39, fig. 271
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24174 *Crassispira woodringi* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 33, pl. 3, fig. 1
Yasila, Dept. of Piura, Peru Talara fm. lower upper
Eocene
- 25317 *Crassostrea gigas* (Thunberg) Hypotype
Evening Tribune, San Diego, Calif., No. 20337, July 14, 1956,
p. 2, fig.; Sorenson, Amer. Mal. Union, Pacif. Div. Ann. Rep.
1956, Bull. 23, p. 19
Morro Bay, San Luis Obispo Co., Calif. Recent
- 22646 *Crassostrea virginica* (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 43, pl. 4, fig. 19
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 866 *Crenella divaricata* (d'Orbigny) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 95, pl. 18, fig. 13
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 485 *Crenella isocardioides* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 17, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 486 *Crenella isocardioides* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 17, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 487 *Crenella isocardioides* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 17, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 488 **Crenella isocardioides** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 17, fig. 24
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 481 **Crenella margaritacea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 35, pl. 17, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 482 **Crenella margaritacea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 35, pl. 17, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 483 **Crenella margaritacea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 35, pl. 17, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 484 **Crenella margaritacea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 35, pl. 17, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24748 **Crepidula aculeata** (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 132, pl. 25, figs. 175a, b
Sanibel, Lee Co., Fla. Recent
- 24135 **Crepidula cantaurana** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931,
p. 8, pl. 6, figs. 3-5
Cantaure,* Cocodite* area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 2825 **Crepidula dumosa** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 148, pl. 16, fig. 6
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2826 **Crepidula dumosa** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 148, pl. 16, figs. 7, 9
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2827 **Crepidula dumosa** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 148, pl. 16, fig. 10
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 24746 **Crepidula fornicata** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 130, pl. 25, fig. 173
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 25341 **Crepidula fornicata** (Linnaeus) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 1
Casa Ybel, Sanibel, Lee Co., Fla. Recent

- 24895 ***Crepidula glauca convexa*** Say Hypotype
Perry and Schwengel, 1955, p. 131, pl. 48, fig. 331
Sanibel, Lee Co., Fla. Recent
- 2828 ***Crepidula lirata*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 146, pl. 16, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2829 ***Crepidula lirata*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 146, pl. 16, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2830 ***Crepidula lirata*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 146, pl. 16, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2831 ***Crepidula lirata*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 146, pl. 16, figs. 13, 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24894 ***Crepidula maculosa*** Conrad Hypotype
Perry and Schwengel, 1955, p. 131, pl. 48, fig. 330
Boca Ceiga Bay, Pinellas Co., Fla. Recent
- 24747 ***Crepidula plana*** Say Representative specimen
Perry and Schwengel, 1955, p. 131, pl. 25, fig. 174
Sanibel, Lee Co., Fla. Recent
- 25335 ***Crepidula plana*** Say Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 3, fig. 9
Shakelford Banks near Beaufort, Carteret Co., N. C.
Recent
- 21127 ***Crepitacella limonensis*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 143, pl. 15, fig. 17
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20292 ***Creseis* sp.** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Tia Juana No. 214, depth 3345-3355 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20583 ***Cribrostomum marblense*** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 245, text fig. 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
W. bank of Big Saline Cr., on Morgan Ranch, 3500 ft. NNW.
of goat shed, 1.75 mi. NW. of old Pfluger ranch house and 3 mi.
SE. of London, Kimble Co., Tex. Marble Falls fm.,
Lower Pennsylvanian

- 20584 **Cribrostomum marblense** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 245, text fig. 8;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
W. bank of Big Saline Cr., on Morgan Ranch, 3500 ft. NNW.
of goat shed, 1.75 mi. NW. of old Pfluger ranch house and 3 mi.
SE. of London, Kimble Co., Tex. Marble Falls fm.,
Lower Pennsylvanian
- 20585- **Cribrostomum marblense** Plummer Paratypes
20592 Plummer, Univ. Tex. Publ. 4401, 1945, p. 245, text figs. 3-7,
10, 11; Marks, Micropal., v. 6, No. 4, 1952, p. 35
W. bank of Big Saline Cr., on Morgan Ranch, 3500 ft. NNW.
of goat shed, 1.75 mi. NW. of old Pfluger ranch house and 3 mi.
SE. of London, Kimble Co., Tex. Marble Falls fm.,
Lower Pennsylvanian
- 21349 **Cristellaria cultrata** (Montfort) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 7, pl. 1, fig. 8
MacDonald Cr., 7 mi. S. Guabito*, lat 9° 25' N.; long 82° 40' W.,
Bocas del Toro Prov., Pan. Oligocene
- 21351 **Cristellaria cf. reniformis** d'Orbigny Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 7, pl. 1, fig. 10
MacDonald Cr., 7 mi. S. Guabito*, lat 9° 25' N.; long 82° 40' W.,
Bocas del Toro Prov., Pan. Oligocene
- 2357 **Crommium perovatum** (Conrad) Hypotype
Harris, B.A.P., v. 1, No. 1, 1895, p. 49, pl. 1, fig. 4; Palmer,
B.A.P., v. 7, No. 32, 1937, p. 136, pl. 14, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Amauropsis perovata* (Conrad)
- 4523 **Crommium willemeti** (Deshayes) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 256,
pl. 30, fig. 10
Two km. N. Damery, Dept. Marne, NE. of Paris, France
Lutetian, Eocene
- 4524 **Crommium willemeti** (Deshayes) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 256,
pl. 30, fig. 14
Two km. N. Damery, Dept. Marne, NE. of Paris, France
Lutetian, Eocene
- 2348 **Crucibulum ecuadoreense** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 212, pl. 24, fig. 11
Road between Amen and Playas along R.R. cuts, SW. Ecua.
lower Miocene
- 2342 **Crucibulum inerme** Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 212, pl. 24, fig. 4
Punta Picos, Dept. of Tumbes, Peru upper Zorritos fm.,
lower Miocene
- 25351 **Crucibulum personatum** Keen Paratype
Keen, B.A.P., v. 38, No. 172, 1958, p. 247
Near Balboa, C. Z. Recent

- 24745 *Crucibulum striatum* (Say) Representative specimen
Perry and Schwengel, 1955, p. 129, pl. 24, fig. 172
Sanibel, Lee Co., Fla. Recent
- 20487 *Cruziturracula cruziana* (Olsson) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 131, pl. 8, fig. 6 *cruziana sic*
Zacachún corehole, depth 130-140 ft., Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm., lower Miocene
Type species of *Cruziturracula* Marks, 1951
- 3236 *Cryptochorda mohri* (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 399, pl. 65, figs. 9, 10
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 5463A ?*Cryptonella* sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 176, pl. 13, figs. 24, 25
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 20239 *Cryptospira* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 60, depth 2529-2549 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 14906 ?*Ctena microimbricata* Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co., Va. Yorktown fm., upper Miocene
- 14939 ?*Ctena microimbricata* Gardner Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, lower end of beach, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 14970 *Ctena speciosa* (Rogers and Rogers) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper beach, James City Co., Va. Yorktown fm., upper Miocene
- 14997 *Ctena speciosa* (Rogers and Rogers) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 6 ft. up midbeach, James City Co., Va. Yorktown fm., upper Miocene
- 5327 *Ctenacanthus harrisi* Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 103, pl. 57, fig. 1
On Roosevelt Highway E. of Mt. Jewett, McKean Co., Pa. Oswayo fm., Conewango stage, Upper Devonian
- 143 *Cucullaea gigantea* Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 49, pl. 8, fig. 3, 3a middle
Greggs Ldg., Alabama R., Monroe Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 145 *Cucullaea gigantea* Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 49, pl. 8, fig. 4

- Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 62 **Cucullaea macrodonta** Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 51, pl. 3, fig. 10
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 63 **Cucullaea macrodonta** Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 51, pl. 3, fig. 10a
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 21865 **Cucullaea perijana** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 1, pl. 1, figs. 1, 3
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist.
of Perijá, St. of Zulia, Ven. Upper Cretaceous
- 21868 **Cucullaea perijana** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 1, pl. 1, fig. 5
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist.
of Perijá, St. of Zulia, Ven. Upper Cretaceous
- 32 **Cucullaea saffordi** (Gabb) "var." Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 51, pl. 4, fig. 1
Hamburg between Allentown and Snow Hill, $\frac{1}{2}$ mi. of Grave-
yard Hill, Wilcox Co., Ala. Midway gr., Paleocene
- 33 **Cucullaea saffordi** (Gabb) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 51, pl. 4, fig. 2
Huddleston's, 3 mi. W. of Crainesville, Hardeman Co., Tenn.
Midway gr., Paleocene
- 24688 **Cumingia coarctata** Sowerby Representative specimen
Perry and Schwengel, 1955, p. 86, pl. 17, fig. 108
Sanibel, Lee Co., Fla. Recent
- 24687 **Cumingia tellinoides** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 85, pl. 17, fig. 107
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 698 **Cuna ? astartoides** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 94, pl. 32, figs. 21, 21a
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 694 **Cuna parva** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 93, pl. 32, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 695 **Cuna parva** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 93, pl. 32, figs. 18a-c
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 696 ***Cuna parva* (Lea)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 93, pl. 32, figs. 18d, 18e
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 697 ***Cuna parva fimbriata* Harris** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 94, pl. 32, figs. 20, 20a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20302 **?*Cupularia umbellata*** Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 22525 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 77, pl. 8, figs. 5a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22526 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 77, pl. 8, figs. 5c, d
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22527 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 77, pl. 8, figs. 5e, f
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22528 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 77
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James
City Co., Va. Yorktown fm., upper Miocene
- 22529 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 77
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22530 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 77
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22531 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 77
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22532 ***Cushmanidea ashermani* (Ulrich and Bassler)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 77
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22533 ***Cushmanidea echolsae* (Malkin)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 78, pl. 9, figs. 1a-c
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene

- 22534 *Cushmanidea echolsae* (Malkin) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 78, pl. 9, figs. 2a-d
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22535 *Cushmanidea echolsae* (Malkin) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 78
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22536 *Cushmanidea echolsae* (Malkin) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 78
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22537 *Cushmanidea echolsae* (Malkin) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 78
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22538 *Cushmanidea ulrichi* (Howe and Johnson) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 79, pl. 9, figs. 3a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22539 *Cushmanidea ulrichi* (Howe and Johnson) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 79, pl. 9, figs. 3c, d
Fort Eustis Well, depth 101-135 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22540 *Cushmanidea ulrichi* (Howe and Johnson) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 79
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22541 *Cushmanidea ulrichi* (Howe and Johnson) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 79
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22542 *Cushmanidea ulrichi* (Howe and Johnson) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 79
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 24630 *Cuspidaria gemma* (Verrill and Bush) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 52, pl. 9, fig. 52; Perry
and Schwengel, 1955, p. 58, pl. 9, fig. 52
Sanibel, Lee Co., Fla. Recent
- 1271 *Cuspidaria prima multiornata* Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 183, pl. 55, fig. 19
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1272 *Cuspidaria prima multiornata* Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 183, pl. 55, fig. 20
St. Maurice, Winn Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene

- 21592 **Cyathophyllum venezuelense** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 4, pl. 1, fig. 1
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21593 **Cyathophyllum venezuelense** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 4, pl. 1, figs. 2, 3
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21594 **Cyathophyllum venezuelense** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 4, pl. 1, figs. 4, 5
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
See *Heterophrentis venezuelense* (Weisbord)
- 21791 **Cyathophyllum venezuelense** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 4
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21309 **Cyclinella beteyensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 242, pl. 31, fig. 2; Palmer,
P. A., v. 1, No. 5, 1929, p. 199, pl. 25, fig. 8
Río Betey, Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 1693 **Cyclinella cyclica** (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 198, pl. 24, fig. 7
Manzanilla, St. Andrew Co., Trinidad, W. I. upper
Miocene
- 22837 **Cyclinella falconensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 59, pl. 34, fig. 2
NE. Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Oligocene-Miocene
- 1697 **Cyclinella gatunensis** Dall Hypotype
Palmer, P.A., v. 1, No. 5, 1929, p. 197, pl. 25, fig. 7
Prov. of Darien, Pan. Gatun fm., middle Miocene
- 1699 **Cyclinella gatunensis** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 197, pl. 25, fig. 16
Prov. of Darien, Pan. Gatun fm., middle Miocene
- 1819 **Cyclinella harrisi** Palmer Holotype
Palmer, P. A., v. 1, No. 5, 1927, p. 199, pl. 45, figs. 6, 7, 1929
(both valves)
Springvale* [Mt. Pleasant quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene

- 21314 **Cyclinella subquadrata quitana** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 243, pl. 31, fig. 8; Palmer
P. A., v. 1, No. 5, 1929, p. 200, pl. 25, fig. 3
Quitana Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24926 **Cyclinella tenuis** (Récluz) Hypotype
Perry and Schwengel, 1955, p. 72, pl. 14, fig. 85
Sanibel, Lee Co., Fla. Recent
- 22838 **Cyclinella venezuelana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 59, pl. 34, fig. 3
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. Miocene
- 22839 **Cyclinella venezuelana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 59, pl. 34, fig. 4
SE. Butare, S. of La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 25097 **Cyclocypeus papillosus** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 14, pl. 1, fig. 17 (missing
prior to 1957)
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 24408 **Cyclomussa concinna** Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
Type species of *Cyclomussa* Wells, 1941
- 24409 **Cyclomussa concinna** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1a
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24410 **Cyclomussa concinna** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1b
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24411 **Cyclomussa concinna** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1c
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24412 **Cyclomussa concinna** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1d
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24413 **Cyclomussa concinna** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1e
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene

- 24414 *Cyclomussa concinna* Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 19, pl. 3, fig. 1f
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24418 *Cyclomussa concinna* Wells Paratypes
Wells, B.A.P., v. 26, No. 98, 1941, p. 19
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2351 *Cyclostrema aldrichi* Harris Syntype
Harris, B.A.P., v. 3, No. 11, 1899, p. 101, pl. 12, fig. 19
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2352 *Cyclostrema aldrichi* Harris Syntype
Harris, B.A.P., v. 3, No. 11, 1899, p. 101, pl. 12, fig. 19a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Cyclostremella magnoliana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 24, pl. 3, figs. 9, 10
(missing prior to 1937)
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 24719 *Cyclostremiscus(?) trilix* (Bush) Representative specimen
Perry and Schwengel, 1955, p. 110, pl. 22, figs. 142a, b
Sanibel, Lee Co., Fla. Recent
- 5880 *Cyclotrypa boyaca* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 8, pl. 1, fig. 2
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5881 *Cyclotrypa boyaca* McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 8, pl. 1, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5883 *Cyclotrypa caribbeana* McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 9, pl. 1, fig. 4 (mis-
spelled *carribeana*)
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5884 *Cyclotrypa caribbeana* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 9, pl. 1, fig. 6 (mis-
spelled *carribeana*)
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5886 *Cyclotrypa dickeyi* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 9, pl. 2, fig. 2

Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian

- 5889 **?Cyclotrypa reticulata** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 10, pl. 2, fig. 5
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5879 **Cyclotrypa stellata** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 8, pl. 1, fig. 1
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5882 **Cyclotrypa stellata** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 8, pl. 1, fig. 5
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 3389 **Cylichna acrotoma** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 478, pl. 75, fig. 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3390 **Cylichna acrotoma** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 478, pl. 75, fig. 26
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 24853 **Cylichna bidentata** (d'Orbigny) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 174, pl. 39, fig. 279; Perry and Schwengel, 1955, p. 192, pl. 39, fig. 279
Sanibel, Lee Co., Fla. Recent
- 86 **Cylichna ?galba** (Conrad) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 75, pl. 7, fig. 7
Naheola Ldg., Tombigbee R., Choctaw Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 85 **Cylichna meyeri** Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 75, pl. 7, fig. 6 (lost prior to 1954)
One mi. W. of Oak Hill P. O., Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 20240 **Cylichna** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 214, depth 3345-3355 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 305 **Cylichna sylvaerupis** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 8, pl. 1, fig. 12
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene

- 4119 **Cylichna temblorensis** Keen Paratype
Keen, San Diego Soc. Nat. Hist., Trans., v. 10, No. 2, 1943, p. 44
SW. $\frac{1}{4}$ sec. 6, T. 29 S., R. 30 E., Kern Co., Calif.
Round Mt. silt, Miocene
- 20025 **Cylichnella bitruncata** (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, figs. 19, 20
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 20241 **Cylichnella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 1, depth 2332-2333 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 3388 **Cylichnina adamsi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 482, pl. 75, figs. 22, 23
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3391 **Cylichnina galba** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 480, pl. 75, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3392 **Cylichnina galba** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 480, pl. 75, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3393 **Cylichnina galba** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 480, pl. 75, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3394 **Cylichnina galba** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 480, pl. 75, fig. 30
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20018 **Cylichnina jacksonensis** (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 450,
pl. 64, figs. 3, 4
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 20019 **Cylichnina jacksonensis exta** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 451,
pl. 64, figs. 1, 2
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 3387 **Cylichnina kellogii** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 481, pl. 75, figs. 13, 21
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene

- 4057 **Cymatophos panamensis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 71, pl. 9, fig. 1
Río La Vaca, 20 km. N. 45° W. of Puerto Armuelles, Punt-
arenas Prov., C. R. Charco Azul fm., Pliocene
- 4969 **Cymatosyrinx palmerae** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 442,
pl. 61, fig. 17
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 20242 **Cymatosyrinx** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 492, depth 2130-2150 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 2109 **Cymia berryi** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 106, pl. 18, fig. 6
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 24100 **Cymia buchivacoana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 38,
pl. 18, fig. 4
In Río Codore, 4.65 km. N. and 550 m. W. of Urumaco, Dist.
of Democracia, St. of Falcón, Ven. upper middle Mio-
cene
- 24112 **Cymia buchivacoana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 38,
pl. 22, fig. 2
In Río Codore, 4.65 km. N. and 550 m. W. of Urumaco, Dist.
of Democracia, St. of Falcón, Ven. upper middle Mio-
cene
- 24147 **Cymia buchivacoana cantaurana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 11,
pl. 10, fig. 1
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 24142 **Cymia cocoditana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 11,
pl. 8, fig. 2
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 24146 **Cymia cocoditana** H. K. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 11,
pl. 9, fig. 4
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 2297 **Cymia pilsbryi** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 182, pl. 19, fig. 2
Quebrada Higueron, near Rica Playa, Dept. of Tumbes, Peru
lower Zorritos fm., lower Miocene

- 5437 *Cymostrophia dickeyi* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 56, pl. 3, fig. 20; pl. 4, figs. 3-5 (cast and mold respectively of internal dorsal valve) (cast lost)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5438 *Cymostrophia dickeyi* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 56, pl. 4, fig. 8 (external mold of dorsal valve)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5438A *Cymostrophia dickeyi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 56
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5444 *Cymostrophia dickeyi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 56, pl. 4, figs. 6, 7 (cast missing); pl. 8, fig. 15
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5446 *Cymostrophia dickeyi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 56 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5426 *Cymostrophia schucherti* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 1, figs. 14, 15 (external dorsal mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5426A *Cymostrophia schucherti* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 6, figs. 9, 10 (mold and cast of internal dorsal valve)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5427 *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 1, fig. 16
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5428 *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 1, fig. 17; pl. 10, fig. 6 (cast missing prior to 1956)

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5449 *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 2, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5450 *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 2, fig. 5; pl. 6, fig. 15
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5451 *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 2, fig. 6
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5451A *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 10, figs. 4, 5 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5466A *Cymostrophia schucherti* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 48, pl. 2, fig. 1; pl. 3, fig. 2
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5448 ?*Cymostrophia waringi* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 54, pl. 2, figs. 13, 14; pl. 3, fig. 1 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5448B ?*Cymostrophia waringi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 54 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5480 ?*Cyphaspsis* sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 17
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 24897 *Cyphoma mcgintyi* Pilsbry Hypotype
Perry and Schwengel, 1955, p. 147, pl. 48, figs. 333a, b
Six fm. off Sanibel, Lee Co., Fla. Recent

- 21080 *Cypraea almirantensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 140, pl. 12, fig. 9
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 3647 *Cypraea boggsi* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 74, pl. 16, fig. 2
Near Negritos (not Lagunitos* as in text), Dept. of Piura,
Peru Talara fm., lower upper Eocene
- 1065 *Cypraea caroniensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 221, pl. 37, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni. Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1067 *Cypraea caroniensis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 221, pl. 37, figs. 5, 6
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni. Co., Trinidad, W. I. Springvale fm., upper
- 2099 *Cypraea (Cyprædia) chira* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 93, pl. 17, fig. 9
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2102 *Cypraea (Cyprædia) chira* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 93, pl. 17, fig. 12
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 21079 *Cypraea cinerea* Gmelin Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 140, pl. 12, fig. 8
Río Blanco, Limon Prov., C. R. Gatun fm., middle
Miocene
- 4618 *Cypraea healeyi* Aldrich Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 315,
pl. 39, figs. 13, 15
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4619 *Cypraea healeyi* Aldrich Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 315,
pl. 39, fig. 17
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 1063 *Cypraea henekeni* Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 219, pl. 37, fig. 1
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 1064 *Cypraea henekeni lacrimula* Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 220, pl. 37, fig. 2
"E. E 24", SE. central Caroni Co., Trinidad, W. I.
Machapoorie mem., Manzanilla fm., Miocene

- 21081 *Cypraea parisimina* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 139, pl. 12, fig. 10
 Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 20127 *Cypraea* sp. Figured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681, pl. 7, fig. 10
 W. side small quebrada 880 m. S. 40° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. La Flores fm., upper Eocene
- 20127a *Cypraea* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
 W. side small quebrada 880 m. S. 40° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 20138 *Cyprædia cf. chira* Olsson Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1668
 N. side of highway about 150 m. E. of Puente Gomez, Río Carache, Dist. of Carache, St. of Trujillo, Ven. Misoa fm., upper Eocene
- 4621 *Cyprædia fenestralis* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 320, pl. 40, fig. 17
 Montgomery, ½ mi. below ferry, Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4622 *Cyprædia fenestralis* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 320, pl. 40, fig. 18
 Montgomery, ½ mi. below ferry, Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 2962 *Cyprædia gilberti* Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 234, pl. 30, figs. 27, 28
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 24818 *Cypræolina lacrimula* (Gould) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 157, pl. 36, fig. 246; Perry and Schwengel, 1955, p. 174, pl. 36, fig. 246
 Sanibel, Lee Co., Fla. Recent
 See *Marginella lacrimula* Gould
- 4620 *Cypræorbis ventripotens* (Cossmann) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 318, pl. 40, figs. 12, 15
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 5479 *Cypricardinia cf. subindenta* Weisbord Hypotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 177, pl. 14, figs. 19-21
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5479A *Cypricardinia* cf. *subindenta* Weisbord Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 177, pl. 11, figs. 6-8
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 21786 *Cypricardinia subindenta* Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 26, pl. 6, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 1694 *Cyprimeria excavata* (Morton) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 195, pl. 24, figs. 8, 17
Locality unknown Cretaceous
- 1991 *Cyrena bravoensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 45, pl. 7, fig. 4
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 1996 *Cyrena bravoensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 45, pl. 7, fig. 9
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 24009 *Cyrena falconensis* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8,
pl. 2, fig. 10
NE. 5 km. from Cuesta de Bisures, Dist. of Buchivacoa, St. of
Falcón, Ven. upper middle Miocene
- 24010 *Cyrena falconensis* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8,
pl. 1, fig. 4; pl. 2, fig. 11
E. 1.5 km. and N. 900 m. from La Vela de Coro lighthouse,
Dist. of Colina, St. of Falcón, Ven. upper middle Mio-
cene
- 1990 *Cyrena trigalensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 46, pl. 7, fig. 3
Trigal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 1993 *Cyrena trigalensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 46, pl. 7, fig. 6
Trigal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 1998 *Cyrena trigalensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 46, pl. 7, fig. 11
Trigal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 5108 *Cyrtia alta* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 3, fig. 7
Glade, Warren Co., Pa. Conewango stage, Upper
Devonian

- 5150 **Cyrtina triplicata** Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 19, pl. 9, figs. 4, 8, 11
E. of monument at Cobham, Warren Co., Pa. Corry ss.,
("Venango First Oil sd."), Lower Mississippian
- 5151 **Cyrtina triplicata** Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 19, pl. 9, figs. 5, 7, 9
E. of monument at Cobham, Warren Co., Pa. Corry ss.,
("Venango First Oil sd."), Lower Mississippian
- 5152 **Cyrtina triplicata** Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 19, pl. 9, figs. 6, 10, 12
E. of monument at Cobham, Warren Co., Pa. Corry ss.,
("Venango First Oil sd."), Lower Mississippian
- 6058 **Cyrtoceras gracilis** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 17, figs. 5, 6;
Cleland, B.A.P., v. 4, No. 18, 1903, p. 13, pl. 3, fig. 11
Type locality, bed V 2, Ft. Hunter, Montgomery Co., N. Y.
"Calciferos", Tribes Hill ls., Beekmantown gr.,
Canadian (Lower) Ordovician
See *Cyrtoceras gracilis* Cleland and ?*Ectenoceras gracilis*
- Cyrtoceras ?kirbyi** Whitfield Hypotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 17, figs. 3, 4
(lost prior to 1937)
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 6058 **Cyrtoceras** sp. Figured specimen
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 17, figs. 5, 6
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
See *Cyrtoceras gracilis* Cleland and ?*Ectenoceras gracilis*
(Cleland)
- 2069 ?**Cyrtochetus chiraensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 103, pl. 14, fig. 10
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 2073 ?**Cyrtochetus chiraensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 103, pl. 14, fig. 14
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 24704 **Cyrtoleura costata** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 94, pl. 19, fig. 124
Blind Pass, Sanibel, Lee Co., Fla. Recent
- 6044 **Cyrtospirifer whitneyi animasensis** (Girty) Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 12, pl. 1, figs. 6, 7
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 22939 **Cythara? heptagona** (Gabb) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 55, pl. 5, figs. 13, 14
Colombia Miocene

- 20951 *Cythara terminula costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 77, pl. 5, figs. 21, 22
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 20950 *Cytharella limata* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 77, pl. 5, fig. 20
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 25250 *Cythereis bassleri* Ulrich Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 51
Crawford's Corner, about 5 mi. N. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25251 *Cythereis bassleri lata* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 52
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 25252 *Cythereis communis* Israelsky Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 52
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 25253 *Cythereis curta* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 52
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25254 *Cythereis pulchra* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 54
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 22645 *Cytherella chipolensis* Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 95, pl. 12, figs. 5a, b
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 25241 *Cytherella moremani* Alexander Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 40
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25243 *Cytherelloidea monmouthensis* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 41
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25242 *Cytherelloidea navesinkensis* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 41
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 22605 *Cytheretta burnsei* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 91, pl. 12, figs. 1a-d

- Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22606 *Cytheretta burnsei* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 91
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22607 *Cytheretta burnsei* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 91
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22608 *Cytheretta burnsei* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 91
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22609 *Cytheretta burnsei* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 91
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22610 *Cytheretta burnesi* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 91
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22611 *Cytheretta ulrichi* Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92, pl. 12, figs. 3a-d
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22612 *Cytheretta ulrichi* Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22613 *Cytheretta ulrichi* Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Powell's Lake Spillway, *Pecten* bed (top bed), James City Co., Va.
Yorktown fm., upper Miocene
- 22614 *Cytheretta ulrichi* Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Crisfield Well, depth 248-287 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 22615 *Cytheretta ulrichi* Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Powell's Lake Spillway, *Pedalion maxillata* bed (bottom bed), James City Co., Va.
Yorktown fm., upper Miocene
- 22616 *Cytheretta ulrichi* Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22617 **Cytheretta ulrichi** Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22618 **Cytheretta ulrichi** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22497 **Cytheromorpha cf. warneri** Howe and Spurgeon Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 70, pl. 7, figs. 3a, b
Moore House Beach, base of bank, York Co., Va.
Yorktown fm., upper Miocene
- 22498 **Cytheromorpha cf. warneri** Howe and Spurgeon Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 70
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22506 **Cytheropteron talquinensis** Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 73, pl. 7, figs. 6a-c
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22507 **Cytheropteron talquinensis** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 73
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22508 **Cytheropteron talquinensis** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 73
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22509 **Cytherura reticulata** Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 73, pl. 7, figs. 7a, b
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 24537 **Daleiella americana** Morris and Hill Paratype
Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 13
Newsom, Davidson Co., Tenn. Newsom sh., Middle
Silurian
- 4066 **Dalium ecuadoriana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 77, pl. 9, fig. 3
Punta Gorda, W. of mouth of Río Esmeraldas, Prov. of Es-
meraldas, Ecua. Esmeraldas fm., upper Oligocene
- 4118 **Dalium ecuadoriana** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 77, pl. 9, fig. 2
Punta Gorda, W. of mouth of Río Esmeraldas, Prov. of Es-
meraldas, Ecua. Esmeraldas fm., upper Oligocene
- 4869 **Dalmanella holiensis** Cleland
Cleland, B.A.P., v. 3, No. 13, 1900, p. 18 (used in original study)

Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

5085 **Dalmanella hollensis** Cleland Holotype

Cleland, B.A.P., v. 3, No. 13, 1900, p. 18 pl. 17, fig. 9
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

Dalmanella leonensis Hall Hypotype

Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 10, fig. 9 (lost prior
 to 1937)
 Glade, Warren Co., Pa. Conewango stage, Upper
 Devonian

5982 **Dalmanella cf. nettoana** (Rathbun) Hypotype

Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 56, pl. 4, fig. 5
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian

21602 **?Dalmanella venezuelensis** Weisbord Holotype

Weisbord, B.A.P., v. 11, No. 46, 1926, p. 9, pl. 2, fig. 7
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian

5086 **Dalmanella wemplei** Cleland Syntype

Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 17, fig. 10
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

5087 **Dalmanella wemplei** Cleland Syntype

Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 17, fig. 11
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

5088 **Dalmanella wemplei** Cleland Syntype

Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 17, fig. 12
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

5089 **Dalmanella wemplei** Cleland Syntype

Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 17, fig. 13
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

5457 **?Dalmanites cf. patacamayaënsis** Kozłowski Hypotype

Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 6
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian

- 5477 ?*Dalmanites* cf. *patacamayaënsis* Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 5
Floresta, lat 5° 51' N.; long 72° 53' W., on rd between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5477A ?*Dalmanites* cf. *patacamayaënsis* Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, figs. 3, 4
(external mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5330 *Dalmanites* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 98, pl. 59, figs. 10, 11
Flat Iron Station near Olean Rock City, Cattaraugus Co., N. Y.
Oswayo fm., Conewango stage, Upper Devonian
- 3888 *Daphnella eupelia* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 32, pl. 8, fig. 2
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 2579 *Daphnella gregorioi* Cossmann Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 74, pl. 13, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2577 *Daphnella imperita* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 74, pl. 13, fig. 8
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2578 *Daphnella imperita* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 74, pl. 13, fig. 9
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2576 *Daphnella quindecima* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 74, pl. 13, fig. 7
About 2 mi. NE. of Newton, on the north end of a deep cut
route 15, Newton Co., Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 3891 *Daphnella salina* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 32, pl. 8, fig. 5
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3896 *Daphnella salina* Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 32, pl. 8, fig. 10
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 5945 *Deirosteus abbreviatus* (Eastman) Hypotype
Wells, Jour. Pal., v. 16, No. 5, 1942, p. 651, pl. 95; pl. 96, figs.
1-3, 5; pl. 97, figs. 1-3 (13 specimens)

Williams Brook which flows into head of Cayuga Lake from the west, near Ithaca, Tompkins Co., N. Y. lower Enfield fm., Upper Devonian

- 4755 **Dendrophyllia hannibali** Nomland Paratype
Nomland, Univ. Calif. Publ., Bull. Dept. Geol. Sci., v. 9, No. 5, 1916, p. 67
Porter Cr., 1½ mi. above Porter, Grays Harbor Co., Wash. Lincoln fm., Oligocene
- 25144 **Dentalina adolphina** d'Orbigny Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 10
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oligocene
- 22669 **Dentalina alternata** (Jones) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 153, pl. 11, fig. 7 (S-793)
From gullies W. side of Taylor-Coupland rd. 3.6 mi. S. of R.R. station in Taylor, Williamson Co., Tex. Taylor gr., Campanian, Upper Cretaceous
- 22142 **Dentalina bevani** Cushman and Cederstrom Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 327, pl. 38, figs. 10, 20
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va. Yorktown fm., upper Miocene
- 25194 **Dentalina communis** (d'Orbigny) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 17
N. of New Egypt, Ocean Co., N. J. (Mt Laurel fm.) or S. of Keyport, N. J. (Navesink fm.) Upper Cretaceous
- 20593 **Dentalina crinita** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 154, pl. 11, fig. 12; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 20594 **Dentalina crinita** Plummer Paratype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 154, pl. 11, fig. 13; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 21652 **Dentalina cucarensis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 14, pl. 3, fig. 14
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25099 **Dentalina elegantissima** d'Orbigny Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 10, pl. 1, fig. 19
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oligocene

- 22663a, b *Dentalina granti* Plummer Hypotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 149, pl. 11, figs. 8, 9
 (S-789.1-2)
 Corsicana Brick Co., 2 mi. S. of Corsicana, Navarro Co., Tex.
 Corsicana ml., Navarro gr., Maestrichtian, Upper
 Cretaceous
- 25195 *Dentalina granti* (Plummer) Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 18
 Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
 Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 22143 *Dentalina cf. intermedia* Hantken Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 327, pl. 38, fig. 16
 Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.), SE.
 Va. Yorktown fm., upper Miocene
- 22144 *Dentalina kaicherae* McLean Paratype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 14
 Langley Field excavation, City of Hampton (no Co.), SE. Va.
 Yorktown fm., upper Miocene
- 22145 *Dentalina kaicherae* McLean Holotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 18
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22145a *Dentalina kaicherae* McLean Paratype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 15
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22146 *Dentalina kaicherae* McLean Paratype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 19
 Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
 Yorktown fm., upper Miocene
- 25196 *Dentalina nana* (Reuss) Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 18
 Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
 Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 22668 *Dentalina obliqua* (Linnaeus) Hypotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 153, pl. 11, fig. 6
 (S-792)
 Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
 bridge at Jones' Crossing,* Travis Co., Tex. Corsicana
 ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 21642 *Dentalina pulchrella* Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 15, pl. 3, fig. 1
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
 bal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 22147 *Dentalina cf. pyrula* (d'Orbigny) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 11
 Carter's Grove, bank base lower beach, James City Co., Va.
 Yorktown fm., upper Miocene

- 22666 **Dentalina raristriata** (Chapman) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 152, pl. 11, fig. 10
(S-794)
In 40 ft. bluff on rt. bank of Colorado R., NE. of Delvalle on
Anderson farm, Travis Co., Tex. Taylor fm., Cam-
panian, Upper Cretaceous
- 22667 **Dentalina raristriata** (Chapman) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 152, pl. 11, fig. 11
(S-795)
From abandoned roadside excavations 2.1 mi. W. of Main St.,
Taylor, Williamson Co., Tex. Taylor gr., Campanian,
Upper Cretaceous
- 22665 **Dentalina reussi** Neugeboren Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 151, pl. 11, fig. 5
(S-791)
Corsicana Brick Co., 2 mi. S. of Corsicana, Navarro Co., Tex.
Corsicana ml., Navarro gr., Maestrichtian, Upper
Cretaceous
- 22664 **Dentalina soluta** Reuss Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 150, pl. 11, fig. 14
(S-788)
Rd. cut 2.1 mi. W. of Main St., Taylor, on Taylor-Austin high-
way, Williamson Co., Tex. Taylor gr., Campanian,
Upper Cretaceous
- 22148 **Dentalina** sp. A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 13
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22149 **Dentalina** sp. B Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 328, pl. 38, fig. 17
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22150 **Dentalina** sp. C Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 329, pl. 38, fig. 21
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 2632 **Dentalium (Antalis) arciforme** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937 p. 16, pl. 1, figs. 12, 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2633 **Dentalium (Antalis) arciforme** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 16, pl. 1, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2630 **Dentalium (Antalis) blandum** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 15, pl. 1, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2631 **Dentalium (Antalis) blandum** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 15, pl. 1, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20294 **Dentalium bocasensis** Olsson Hypotype
Sutton, A.A.P. G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 297, depth 4672-4679 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21116 **Dentalium bocasensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 166, pl. 15, fig. 2
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21117 **Dentalium bocasensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 166, pl. 15, fig. 3
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 4071 **Dentalium (Fissidentalium) buricum** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 81, pl. 6, fig. 4
W. side of Burica Point, Puntarenas Prov., C. R.
Burica ss., upper Miocene or lower Pliocene
- 4072 **Dentalium (Fissidentalium) buricum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 81, pl. 6, fig. 3
W. side of Burica Point, Puntarenas Prov., C. R. Burica
ss., upper Miocene or lower Pliocene
- 4072a **Dentalium (Fissidentalium) buricum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 81, pl. 6, fig. 5
Quebrada Rabo de Puerco, Chiriquí Prov., Pan.
Armuelles fm., Pleistocene
- 4072b **Dentalium (Fissidentalium) buricum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 81, pl. 6, fig. 6
W. side of Burica Point, Puntarenas Prov., C. R. Burica
ss., upper Miocene or lower Pliocene
- 4072c **Dentalium (Fissidentalium) buricum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 81, pl. 6, fig. 9
W. side of Burica Point, Puntarenas Prov., C. R. Burica
ss., upper Miocene or lower Pliocene
- 4482 **Dentalium (Laevidentalium) cf. danai** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 214,
pl. 26, fig. 18
Moody's Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4472 **Dentalium (Antalis) danvillense** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 27
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene

- 4473 **Dentalium (Antalis) danvillense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 26
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4474 **Dentalium (Antalis) danvillense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 25
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4475 **Dentalium (Antalis) danvillense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 24
Gibson Ldg., one mi. above, Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4476 **Dentalium (Antalis) danvillense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 23
Carter Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 24711 **Dentalium disparile** d'Orbigny Representative specimen
Perry and Schwengel, 1955, p. 99, pl. 20, fig. 131
Four fm. off Sanibel, Lee Co., Fla. Recent
- 24712 **Dentalium eboreum** Conrad Representative specimen
Perry and Schwengel, 1955, p. 100, pl. 20, figs. 132a, b
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 4069 **Dentalium (Fissidentalium) esmeraldum** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 80, pl. 6, fig. 10
Punta Gorda, W. of mouth of Río Esmeraldas, Prov. of Es-
meraldas, Ecu. Esmeraldas fm., upper Oligocene
- 4070 **Dentalium (Fissidentalium) esmeraldum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 80, pl. 6, fig. 1
Punta Gorda, W. of mouth of Río Esmeraldas, Prov. of Es-
meraldas, Ecu. Esmeraldas fm., upper Oligocene
- 4070a **Dentalium (Fissidentalium) esmeraldum** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 80, pl. 6, fig. 2
Punta Gorda, W. of mouth of Río Esmeraldas, Prov. of Es-
meraldas, Ecu. Esmeraldas fm., upper Oligocene
- 2643 **Dentalium incisissimum** Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 19, pl. 1, fig. 4
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 24708 **Dentalium laqueatum** Verrill Representative specimen
Perry and Schwengel, 1955, p. 98, pl. 20, fig. 128
Sanibel, Lee Co., Fla. Recent
- 24295 **Dentalium mancorense** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 71, pl. 12, fig. 12 (specific
name typ. error text)

Quebrada Barrancas, S. branch of Mancora Quebrada, near
Catalinas, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24296 **Dentalium mancorense** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 71, pl. 12, fig. 13
Quebrada Barrancas, S. branch of Mancora Quebrada, near
Catalinas, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 82 **Dentalium mediaviense** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 73, pl. 7, fig. 1a (lost prior
to 1954)
One-half mi. N. of Ripley, Tippah Co., Miss. Midway
gr., Paleocene
- 2349 **Dentalium mediaviense** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 73, pl. 7, fig. 1
One half mi. W. of Graveyard Hill, Allenton, Wilcox Co., Ala.
Midway gr., Paleocene
- 302 **Dentalium microstria** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 3, pl. 1, figs. 1, 1a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2641 **Dentalium microstria†** Heilprin Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 19, pl. 2, fig. 42
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2645 **Dentalium microstria†** Heilprin Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 19, pl. 2, fig. 43
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2634 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 33
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2635 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 34
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2636 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 35
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. ¼
Sec. 35 T. 5 N., R. 13 W., Sabine Par., La. (Veatch Surevy,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2637 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 36
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene

- 2638 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 38
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 3411 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 17, pl. 2, fig. 41
Orangeburg district, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 4471 **Dentalium (Antalis) minutistriatum** Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 210,
pl. 26, fig. 28
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2628 **Dentalium (Antalis) mississippiense** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 14, pl. 1, fig. 7
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2629 **Dentalium (Antalis) mississippiense** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 14, pl. 1, fig. 17
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 4477 **Dentalium (Antalis) mississippiense jacksonense** Palmer
Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 212,
pl. 26, fig. 21
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4478 **Dentalium (Antalis) mississippiense jacksonense** Palmer
Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 212,
pl. 26, fig. 22
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4479 **Dentalium (Antalis) mississippiense jacksonense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 212,
pl. 26, fig. 20
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 24710 **Dentalium pilsbryi** Rehder Representative specimen
Perry and Schwengel, 1955, p. 99, pl. 20, fig. 130
Sanibel, Lee Co., Fla. Recent
- 22937 **Dentalium (Fissidentalium?) solidissimum** Pilsbry and Brown
Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 26, pl. 5, fig. 10
Near Tuberá or Pto. Colombia, Dept. of Atlantico, Col.
Miocene

- 22995 **Dentalium (Fissidentalium?) solidissimum** Pilsbry and Brown
Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 26, pl. 5, fig. 11
Near Tuberá or Pto. Colombia, Dept. of Atlantico, Col.
Miocene
- 2639 **Dentalium** sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 18, pl. 1, fig. 8
Sabine R., Outcrop 21 Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch, 1902, p.
129) Stone City beds, middle Claiborne gr., middle
Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2640 **Dentalium** sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 18, pl. 1, fig. 11
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4480 **Dentalium** sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 212,
pl. 26, fig. 19
St. Stephens Bluff, $\frac{1}{2}$ mi. W. Graveyard Hill, Tombigbee R.,
Washington Co., Ala. Moodys Branch fm., lower Jack-
son gr., upper Eocene
- 4481 **Dentalium (Laevidentalium) cf. subcompressum** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 214,
pl. 26, fig. 15
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 24709 **Dentalium texasianum** Philippi Representative specimen
Perry and Schwengel, 1955, p. 99, pl. 20, fig. 129
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 2616 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 26
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2617 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2618 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 24
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2619 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2620 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2621 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2622 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2623 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2624 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2625 **Dentalium (Antalis) thalloides** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 12, pl. 1, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2626 **Dentalium (Antalis) thalloides claibornense** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 14, pl. 1, figs. 1, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2627 **Dentalium (Antalis) thalloides claibornense** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 14, pl. 1, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21115 **Dentalium (Fissidentalium) uscarianum** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 166, pl. 15, fig. 1
Río Cocles, Limon Prov., C. R. Uscari fm., lower Mio-
cene
- 4468 **Dentalium (Antalis) vincense** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 209,
pl. 26, fig. 30
Vince Ferry, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4469 **Dentalium (Antalis) vincense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 209,
pl. 26, fig. 31
Vince Ferry, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4470 **Dentalium (Antalis) vincense** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 209,
pl. 26, fig. 29
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene

- 24297 **Dentalium yasilum** Olsson Paratype
Olsson, B.A. P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 14
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24298 **Dentalium yasilum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 15
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24299 **Dentalium yasilum** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 16
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24300 **Dentalium yasilum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 17
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24301 **Dentalium yasilum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 18
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24302 **Dentalium yasilum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 19
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24303 **Dentalium yasilum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 72, pl. 12, fig. 20
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 22696 **Dentilinopsis excavata** (Reuss) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 187, pl. 9, figs. 11, 12
(S-829.1-.2)
Grayson Bluff 3½ mi. NE. Roanoke, Denton Co., Tex.
Grayson fm., Washita gr., Lower Cretaceous
- 5485 **?Derbyina** sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 176, pl. 11, figs. 15-17
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 22913 **?Dermatomya harrisi** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 15, pl. 3, fig. 2
Near Tuberá, Dept. of Atlantico, Col. middle Miocene
- 20171 **Deshayesites columbianus** Reidel Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644
From first forest-covered talus slope in weathered gap between
limestone hills, S. side of Río Negro, Dist. of Perijá, St. of
Zulia, Ven. Found in concretions weathered out of
black, calcareous shale, Apón fm., Middle Cretaceous

- 20181 **Deshayesites columbianus** Reidel Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 3, figs. 1, 2 (not deposited in 1956)
Río Cogollo, Dist. of Perijá, St. of Zulia, Ven. see p. 1644 or
Río La Gé, Dist. of Perijá, St. of Zulia Ven., see pl. 3, figs. 1, 2
Apón fm., Middle Cretaceous
- 20179 **Deshayesites** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 3, figs. 6, 10
Float boulder, Río Cogollo, Dist. of Perijá St. of Zulia, Ven.
Apón fm., Middle Cretaceous
- 20180 **Deshayesites cf. stutzeri** Reidel Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 3, figs. 7, 8
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Apón fm.,
Middle Cretaceous
- 3729 **Desmieria peruviana** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 58, pl. 4, fig. 8
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 24918 **Detracia bulaoidea** (Montagu) Hypotype
Perry and Schwengel, 1955, p. 198, pl. 53, fig. 359
Turners Pond, Sanibel, Lee Co., Fla. Recent
- 3807 **?Diadema princeana** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 41, pl. 3, figs. 11-13
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Eocene
- 5971 **Diademoceras palmeri** Flower Holotype
Flower, Jour. Pal., v. 23, No. 1, 1949, p. 75, pl. 18, fig. 7; pl. 19,
figs. 2, 3
In rd. cut above Stockbridge Falls, Oneida Cr., Madison Co.,
N. Y. Cherry Valley ls., Middle Devonian
Type species of *Diademoceras* Flower, 1949
- 5337 **Diagoceras aptum** (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 23, pl. 1, figs. 5, 7, 8
Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5338 **Diagoceras aptum** (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 23, pl. 1, fig. 6
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5339 **Diagoceras aptum** (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 23
Cedarvale channel, near Marcellus, Onondaga Co., N. Y.
Cherry Valley ls., Marcellus fm., lower Erian series,
Middle Devonian
- 5875 **Diagoceras tullium** Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 92, pl. 4, fig. 7
E. shore Cayuga Lake, Portland Pt., Tompkins Co., N. Y.
Tully ls., upper Middle Devonian

- 21787 **Diaphorostoma neveritanum** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 27, pl. 6, fig. 7
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21788 **Diaphorostoma neveritanum** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 27, pl. 7, figs. 1-3
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 3876 **Diastoma elaeinia** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 23, pl. 6, fig. 4
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3877 **Diastoma elaeinia** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 23, pl. 6, fig. 5
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3878 **Diastoma elaeinia** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 23, pl. 6, fig. 6
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3879 **Diastoma elaeinia** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 23, pl. 6, fig. 7
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3875 **Diastoma furnaria** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 23, pl. 6, fig. 3
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3874 **Diastoma geositta** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 22, pl. 6, figs. 1, 2
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Perinas fm., middle Eocene
- 6004 **Dictyoclostus liddlei** Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 64, pl. 6, fig. 10 sta. OI-J-113
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of
Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 6005 **Dictyoclostus** sp. Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 64, pl. 6, fig. 10a sta. 38
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of
Maracaibo, St. of Zulia, Ven. Lower-Middle Devonian
- 25074 **Dictyorhabdus priscus** Walcott Hypotype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 516, pl. 61, figs. 4-6
Sec. 34, T. 16 S., R. 69 W., NE. of Canyon City, Fremont Co.,
Colo. Manitou dol., Canadian, Lower Ordovician

- 5445 ***Dictyostrophia cooperi* Caster** Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 60, pl. 4, fig. 9; pl. 6, fig. 1 (dorsal internal mold and cast)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5445A ***Dictyostrophia cooperi* Caster** Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 60, pl. 6, figs. 2-4
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5449A ***Dictyostrophia cooperi* Caster** Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 60, pl. 2, figs. 7-10
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5455 ***Dictyostrophia cooperi* Caster** Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 60, pl. 2, figs 11, 12; pl. 6 figs. 5, 6
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5988 ***Dictyostrophia cooperi* Caster** Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 58, pl. 4, figs. 10-12
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 5989 ***Dictyostrophia cooperi* Caster** Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 58, pl. 4, fig. 13
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 6050 ***Didymograptus artus* (Elles and Wood)** Hypotype
Ruedemann, G. S. A., Mem. 19, 1947, p. 326, pl. 54, fig. 8
Ogden Canyon, Ogden, Weber Co., Utah Ordovician
- 20187 ***Didymotis variabilis* Gerhardt** Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, fig. 3
Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- Didymotis variabilis* Gerhardt** Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 94, pl. 16, fig. 4 (lost prior to 1937)
Stollmeyer Quarry, about 3 mi. NNE. of Point-a-Pierre, Point-a-Pierre Ward, NW. Victoria Co., Trinidad, W. I. Lower Cretaceous
- 25081 ***Diendoceras* sp.**
Flower, Jour. Pal., v. 26, No. 3, 1952, pp. 505-518 (Studied with material published)

- Near Canyon City, Fremont Co., Colo. Manitou dol.,
Canadian, Lower Ordovician
- 4636 **Dientomochilus (Dasyostoma) rugostomum** (Johnson) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 310,
pl. 42, figs. 4, 5
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 21717 **Dimorphina chapapotensis** Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 10, pl. 2, fig. 4
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 5878 **Dinichthys thalmodens** (Clark) Hypotype
Smith, B., Amer. Nat., v. 43, 1909, pp. 588-597, figs. 1, 2
SW. of Split Rock, near Syracuse, Onondaga Co., N. Y.
Marcellus fm., lower Erian series, Middle Devonian
- 5922 **Dinocardium robustum** (Solander) Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 358, fig.
29
Beaufort, Carteret Co., N. C. Recent
- 24652 **Dinocardium robustum vanhyningi** Clench and Smith
Representative specimen
Perry and Schwengel, 1955, p. 67, pl. 12, fig. 73
Sanibel, Lee Co., Fla. Recent
- 24716 **Diodora cayenensis** (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 107, pl. 21, fig. 136
Sanibel, Lee Co., Fla. Recent
- 24717 **Diodora listeri** (d'Orbigny) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 100, pl. 21, fig. 137; Perry
and Schwengel, 1955, p. 107, pl. 21, fig. 137
Sanibel, Lee Co., Fla. Recent
- 24714 **Diodora meta** (von Ihering) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 99, pl. 21, fig. 134; Perry
and Schwengel, 1955, p. 107, pl. 21, fig. 134
Sanibel, Lee Co., Fla. Recent
See *Lucapina cancellata* Sowerby
- 2661 **Diodora tenebrosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 27, pl. 3, figs. 2, 9
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Diodora tenebrosa antica* Palmer
- 2662 **Diodora tenebrosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 27, pl. 3, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2663 **Diodora tenebrosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 27, pl. 3, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2664 **Diodora tenebrosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 27, pl. 3, figs. 12, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2661 **Diodora tenebrosa antica** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 27, pl. 3, figs. 2, 9; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 218
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Diodora tenebrosa* (Conrad)
- 4488 **Diodora tenebrosa antica** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 218,
pl. 27, fig. 11
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4489 **Diodora tenebrosa antica** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 218,
pl. 27, fig. 12
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4490 **Diodora tenebrosa antica** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 218,
pl. 27, fig. 13
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 4491 **Diodora tenebrosa veatchi** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 219,
pl. 27, figs. 15, 16
Gibson Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 21595 **Diphyphyllum vermetum** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 5, pl. 1, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
See *Synaptophyllum vermetum* (Weisbord)
- 21596 **Diphyphyllum vermetum** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 5, pl. 1, fig. 7
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21598 **Diphyphyllum vermetum** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 5, pl. 2, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 4002 **Diplodon liddlei** Palmer Paratype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 48,
pl. 8, fig. 1

- Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss.,
possible Miocene
- 4003 **Diplodon liddlei** Palmer Holotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 48,
pl. 8, fig. 2
Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss.,
possible Miocene
- 4004 **Diplodon liddlei** Palmer Paratype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 48,
pl. 8, fig. 3
Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss.,
possible Miocene
- 4005 **Diplodon liddlei** Palmer Paratype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 48,
pl. 8, fig. 4
Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss.,
possible Miocene
- 4006 **Diplodon liddlei** Palmer Paratype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 48,
pl. 8, fig. 5
Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss.,
possible Miocene
- 14988 **Diplodonta berryi** McGavock Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 4320 **Diplodonta (Timothyus) bulla** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 86,
pl. 19, figs. 12, 13
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
Type species of *Timothyus* Harris, 1946
- 4321 **Diplodonta (Timothyus) bulla** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 86,
pl. 19, fig. 14
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4322 **Diplodonta (Timothyus) bulla** (Conard) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 86,
pl. 19, fig. 15
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4323 **Diplodonta (Timothyus) bulla** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 86,
pl. 19, fig. 16
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3846 **Diplodonta caboblanca** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 10, pl. 1, fig. 6

- Cabo Blanco, Dept. of Piura, Peru Restin fm., middle Eocene
- 3848 **Diplodonta caboblanca** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 10, pl. 1, fig. 8
Cabo Blanco, Dept. of Piura, Peru Restin fm., middle Eocene
- 21332 **Diplodonta collina** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 220, pl. 32, fig. 15
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 1138 **Diplodonta corbiscula** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 130, pl. 40, figs. 20, 21, 21a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 4324 **Diplodonta (Timothyus) deflata** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89, pl. 19, figs. 17, 18
Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 3576 **?Diplodonta dissona** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 30, pl. 9, fig. 8
Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 3577 **?Diplodonta dissona** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 30, pl. 9, fig. 9
Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 1135 **Diplodonta inflata** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 129, pl. 40, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1136 **Diplodonta inflata** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 129, pl. 40, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1137 **Diplodonta inflata** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 129, pl. 40, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 21338 **Diplodonta insula** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 220, pl. 32, fig. 21
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 1133 **Diplodonta nana** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 128, pl. 40, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene

- 1134 **Diplodonta nana** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 128, pl. 40, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 175 **Diplodonta** sp. Figured specimen
Harris, B.A.P., v. 2, No. 9, 1897, p. 65, pl. 13, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1128 **Diplodonta unguлина** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 127, pl. 40, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1129 **Diplodonta unguлина** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 127, pl. 40, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1130 **Diplodonta unguлина** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 127, pl. 40, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1131 **Diplodonta unguлина** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 127, pl. 40, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1132 **Diplodonta unguлина** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 127, pl. 40, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4319 **Diplodonta unguлина** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 85,
pl. 19, figs. 11, 11a
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 4317 **Diplodonta unguлина yazooicola** Harris Syntype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 85,
pl. 19, fig. 9
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4318 **Diplodonta unguлина yazooicola** Harris Syntype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 85,
pl. 19, figs. 10, 10a
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 21641 **Discocyclus clarki** (Cushman) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 36, pl. 2, fig. 31
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
bal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene

- 21794 **Discocyclina mirandana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 8, pl. 1, fig. 3;
Vaughan, G.S.A. Mem. 9, 1945, p. 92, pl. 37, figs. 2, 2a
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 21797 **Discocyclina mirandana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 8, pl. 1, fig. 10
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 21800 **Discocyclina mirandana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 8, pl. 1, fig. 13;
Vaughan, G.S.A. Mem. 9, 1945, p. 92, pl. 37, fig. 3
E. 7.8 km. and S. 1.3 km. from Churugarito,* Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 20147 **?Discophoplites cf. subfalcatus** (Semenow) Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 5, fig. 1
Quebrada La Luna 425 m. downstream from Cogollo contact,
Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper
Cretaceous
- 25444 **Discorbis bertheloti floridensis** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 190, pl. 17, figs. 4a-c [D.K.P. slide 191.9-18 (88)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 22697a-c **Discorbis correcta** Carsey Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 188, pl. 14, figs. 2-4
(S-830.1-3)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E.
of bridge at Jones' Crossing,* Travis Co., Tex. Corsi-
cana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25445 **Discorbis cf. corrugata** (Millett) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 190, pl. 16, figs. 6, 9, 10 [D.K.P. slide 191.9-18 (78)]
Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of
Yumuri Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 22314 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, figs. 11a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22315 **Discorbis floridana** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22316 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, fig. 15
Fragmental beds, Yorktown Bluffs, York Co., Va.
Yorktown fm., upper Miocene

- 22317 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Fragmental beds, Yorktown Bluffs, York Co., Va.
Yorktown fm., upper Miocene
- 22318 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22319 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22320 **Discorbis floridana** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, figs. 9, 10
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22321 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, figs. 12a, b
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22322 **Discorbis floridana** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
More House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22323 **Discorbis floridana** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Powells Lake Spillway, *Ostrea* bed (2d from top sand), James City Co., Va.
Yorktown fm., upper Miocene
- 22324 **Discorbis floridana** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351
Powells Lake Spillway, *Ostrea* bed (2d from top sand), James City Co., Va.
Yorktown fm., upper Miocene
- 21742 **Discorbis jacksonensis** Cushman and Applin Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 14
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22325 **Discorbis rehderi** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353, pl. 46, figs. 14a-d
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22326 **Discorbis rehderi** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22327 **Discorbis rehderi** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene

- 22328 *Discorbis rehderi* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22329 *Discorbis rehderi* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353, pl. 46, fig. 13
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22330 *Discorbis rehderi* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James
City Co., Va. Yorktown fm., upper Miocene
- 22331 *Discorbis* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 352, pl. 47, figs. 1a-e
(not P.R.I. No. 22311 as in expl. of pl.)
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22332 *Discorbis turrita* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353, pl. 47, figs. 2a-d
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22333 *Discorbis turrita* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 353
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 24305 *Discotrochus orbignianus* Edwards and Haime Hypotype
Wells, B.A.P., v. 23, No. 79, 1937, p. 6, pl. 1, figs. 20-22
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 22965 *Distorsio* aff. *gatumensis* Toulou Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 41, pl. 8, fig. 3
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- 2998 *Distorsio* (*Personella*) *septemdentata* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 260, pl. 34, figs. 10, 11
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4647 *Distorsio* (*Personella*) *septemdentata jacksonensis* (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 336,
pl. 44, fig. 8
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 22968 *Distorsio* cf. *simillimus* (Sowerby) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 40, pl. 8, fig. 4
E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 21337 *Divaricella quadrisulcata* (d'Orbigny) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 224, pl. 32, fig. 20

- Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21073 **Dolium (Malea) elliptica** (Pilsbry and Johnson) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 139, pl. 12, fig. 2
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 5826 **Dolorthoceras exile** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 98, pl. 7, fig. 4
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5827 **Dolorthoceras exile** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 98, pl. 8, fig. 7
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5835 **Dolorthoceras aff. exile** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 104, pl. 1, fig. 5
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5838 **Dolorthoceras cf. exile** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 98
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5836 **Dolorthoceras** sp. Figured specimen
Flower, P. A., v. 2, No. 10, 1939, p. 103, pl. 2, fig. 8
Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
Hamilton gr., Middle Devonian
- 5837 **Dolorthoceras** sp. Figured specimen
Flower, P. A., v. 2, No. 10, 1939, p. 103, pl. 2, fig. 9
Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
Hamilton gr., Middle Devonian
- 5828 **Dolorthoceras telamon** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 100
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5829 **Dolorthoceras cf. telamon** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 100
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5830 **Dolorthoceras telamon** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 100
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian
- 5831 **Dolorthoceras telamon** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 100, pl. 2, fig. 10; pl. 4, fig. 10
Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
Hamilton gr., Middle Devonian

- 5832 **Dolorthoceras telamon** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 100, pl. 9, fig. 9
 Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
 Hamilton gr., Middle Devonian
- 5833 **Dolorthoceras telamon** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 100, pl. 9, fig. 10
 Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
 Hamilton gr., Middle Devonian
- 5839 **Dolorthoceras cf. telamon** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 100
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
 Hamilton gr., Middle Devonian
- 5822 **Dolorthoceras tersum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 97, pl. 1, fig. 11
 (not 5831 as recorded in expl. pl. 1, fig. 11)
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
 Hamilton gr., Middle Devonian
- 5823 **Dolorthoceras tersum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 97, pl. 8, fig. 6
 Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
 Hamilton gr., Middle Devonian
- 5824 **Dolorthoceras tersum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 97, pl. 9, fig. 17
 Delphi Falls, Onondaga Co., N. Y. Delphi mem.,
 Hamilton gr., Middle Devonian
- 5825 **Dolorthoceras tersum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 97
 Pratt's Falls, Onondaga Co., N. Y. Hamilton gr.,
 Middle Devonian
- 5834 **Dolorthoceras tersum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 97, pl. 9, fig. 8
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem.,
 Hamilton gr., Middle Devonian (delete 5834 text, p. 101)
- 24036 **Donax buchivacoana** H. K. Hodson Holotype
 Hodson, F., and Hodson H. K., B.A.P., v. 16, No. 59, 1931, p. 18,
 pl. 7, fig. 1
 One km. W. and 400 m. N. of Cerro Jomo (Cerro Jomo is 27
 km. E. and 12 km. N. of Dabajuro), Dist. of Buchivacoa, St. of
 Falcón, Ven. upper middle Miocene
- 3575 **Donax capparitis** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 44, pl. 9, fig. 7
 Negritos, Dept. of Piura, Peru Salina fm.,* lower
 Eocene
- 300 **Donax carinata galvestonensis** Harris Holotype
 Harris, B.A.P., v. 1, No. 3, 1895, p. 10
 Galveston Deep Well (1891-1892), depth 2552-2920 ft., Gal-
 veston Co., Tex. Miocene

- 885 **Donax couvana** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 116, pl. 20, fig. 19
Junc. Mayo and Couva main rd., W. central Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 24037 **Donax palmasensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 19,
pl. 7, figs. 2, 8
Río de Las Palmas, at a point 21.2 km. S. and 2.8 km. W. of
Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper Oligocene
- 3571 **Donax parinensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 43, pl. 9, fig. 3
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 2017 **Donax petersoni** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 66, pl. 9, fig. 6
Quebrada Canoas, about 4 mi. inland, Dept. of Tumbes, Peru
Punta Bravo grits, Mancora fm., middle Oligocene
- 2018 **Donax petersoni** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 66, pl. 9, fig. 7
Quebrada Canoas, about 4 mi. inland, Dept. of Tumbes, Peru
Punta Bravo grits, Mancora fm., middle Oligocene
- 3570 **Donax prosopsis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 43, pl. 9, fig. 2
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 5924 **Donax variabilis** Say Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 358, fig.
44
Sanibel I., Lee Co., Fla. Recent
- 24689 **Donax variabilis** Say Representative specimen
Perry and Schwengel, 1955, p. 86, pl. 17, fig. 109
Sanibel, Lee Co., Fla. Recent
- 24043 **Donax wiedenmayeri** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 18,
pl. 8, figs. 1, 7
In Río Codore, 5.4 km. N. and 600 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24044 **Donax wiedenmayeri** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 18,
pl. 8, fig. 2
Near Tres Personas (Tres Personas is 25 km. E. and 12.7 km.
N. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven.
upper middle Miocene
- 24045 **Donax wiedenmayeri falconensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 18,
pl. 8, fig. 3
N. 300 m. and E. 275 m. E. of Tres Personas, (Tres Personas is
25 km. E. and 12.7 km. N. of Dabajuro), Dist. of Buchivacoa, St.
of Falcón, Ven. upper middle Miocene

- 24046 **Donax wiedenmayeri falconensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 18,
pl. 8, fig. 4
N. 300 m. and E. 275 b. of Tres Personas, (Tres Personas is
25 km. E. and 12.7 km. N. of Dabajuro), Dist. of Buchivacoa,
St. of Falcón, Ven. upper middle Miocene
- 22657a-e **Dorothia bulletta** (Carsey) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 132, pl. 8, figs. 13-17
(774.1-5)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
brige at Jones' Crossing,* Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25185 **Dorothia bulletta** (Carsey) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 14
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 3666 **Dorsanum parinense** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 83, pl. 18, fig. 5
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 3667 **Dorsanum parinense** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 83, pl. 18, fig. 6
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 3051 **Dorsanum scalatum** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 300, pl. 41, figs. 5, 10
Moseley's Ferry [Stone City Bluff] Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 1678 **Dosinia acetabulum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 19, fig. 1
Little Cove Point, Calvert Co., Md. St. Marys fm.,
middle Miocene
- 1679 **Dosinia acetabulum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 19, figs. 3, 9
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1680 **Dosinia acetabulum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 19, fig. 5
Suffolk, Nansemond Co., Va. Yorktown fm., upper
Miocene
- 1681 **Dosinia acetabulum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 19, fig. 6
Claremont Wharf, James R., Surry Co., Va. "Murfrees-
boro" (Yorktown) fm., upper Miocene
- 1682 **Dosinia acetabulum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 19, fig. 7
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene

- 14984 **Dosinia acetabulum** (Conrad) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up beach, York Co., Va.
Yorktown fm., upper Miocene
- 21308 **Dosinia acetabulum** (Conrad) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 231, pl. 31, fig. 1
Río Betey, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1671 **Dosinia chipolana** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 62, pl. 17, figs. 10, 15
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 943 **Dosinia concentrica** (Born) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 141, pl. 25, fig. 2
Gulf of Paria off Farallon Rock, W. coast of Trinidad, W. I.
Recent
- 1674 **Dosinia concentrica** (Born) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 70, pl. 18, figs. 5, 10
Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1676 **Dosinia concentrica** (Born) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 70, pl. 18, fig. 2
Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1685 **Dosinia concentrica** (Born) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 70, pl. 20, fig. 4 (labeled
fig. 2 by mistake)
Monte Cristi, Monte Cristi Prov., Dom Rep. Recent
- 1821 **Dosinia concentrica** (Born) Hypotype
Palmer, P.A., v. 1, No. 5, 1929, p. 61, text fig. 7 (right hinge)
Dom. Rep. Recent
- 1670 **Dosinia delicatissima** Brown and Pilsbry Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 63, pl. 17, fig. 9
Spillway, Gatun, C. Z. Gatun fm., middle Miocene
- 2221 **Dosinia delicatissima** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 103, pl. 9, fig. 5
Between Amen and Playas along R.R. cut, SW. Ecu.
Miocene
- 2219 **Dosinia delicatissima** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 103, pl. 9, fig. 3
Quebrada Zapotal, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 2220 **Dosinia delicatissima** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 103, pl. 9, fig. 4
Between Amen and Playas along R.R. cut, SW. Ecu.
Miocene
- 1672 **Dosinia discus** (Reeve) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 69, pl. 18, figs. 1, 6
New Orleans, Orleans Co., La. Pleistocene

- 1675 **Dosinia discus** (Reeve) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 69, pl. 18, fig. 7
Galveston, Galveston Co., Tex. Recent
- 1684 **Dosinia discus** (Reeve) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 69, pl. 20, fig. 1
Simmons Bluff, Yonges I., Wadamalaw Sound, Charleston Co.,
S. C. Pamlico fm., Pleistocene
- 1673 **Dosinia elegans** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 62, pl. 18, figs. 3, 4, 9; pl. 20,
fig. 2 (labeled fig. 4 by mistake); Palmer, E. L., Nature Mag.,
v. 33, No. 6, 1940, p. 346, pl. 2, fig. 17
Florida Recent
- 1677 **Dosinia elegans** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 62, pl. 18, fig. 8
Acme, Columbus Co., N. C. Waccamaw fm., lower Pli-
ocene
- 24656 **Dosinia elegans** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 70, pl. 13, fig. 77
Sanibel, Lee Co., Fla. Recent
- 22826 **Dosinia elegans venezuelana** H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 52, pl. 32, fig. 1
N. coast La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 22828 **Dosinia elegans venezuelana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 52, pl. 32, fig. 4
S. sec. of La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 24011 **Dosinia falconensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
11, pl. 3, figs. 1, 2, 7
In Río Codore, 5.4 km. N. and W. 600 m. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24014 **Dosinia falconensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
11, pl. 3, fig. 6
NE. 5 km. from Cuesta de Bisures, Dist. of Buchivacoa, St. of
Falcón, Ven. upper middle Miocene
- 1683 **Dosinia grandis** Nelson Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 19, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1686 **Dosinia grandis** Nelson Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 20, fig. 14
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene

- 1814 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 45, fig. 1
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 1815 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 45, fig. 2 (left hinge)
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 1816 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 45, figs. 2 (rt. hinge),
 3
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 1817 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67, pl. 45, fig. 4
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 3906 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 3907 *Dosinia grandis* Nelson Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 67
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 2218 *Dosinia illesca* Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 104, pl. 9, figs. 1, 2
 Near Tric Trac Point., Bayovar, Dept. of Piura, Peru
 Montera fm., lower Miocene
- 1988 *Dosinia palmerae* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 59, pl. 7, fig. 1
 Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 940 *Dosinia titan* Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 139, pl. 24, fig. 1
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savoneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene

- 941 **Dosinia titan** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 139, pl. 25, fig. 3
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 168 **Dosiniopsis lenticularis** (Rogers and Rogers) Hypotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 64, pl. 12, fig. 13; Palmer,
 P. A., v. 1, No. 5, 1929, p. 6, pl. 1, fig. 11
 Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox
 [Sabine] gr., lower Eocene
- 1570 **Dosiniopsis lenticularis** (Rogers and Rogers) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 6, pl. 1, fig. 3
 Aquia Cr., Stafford Co., Va. Aquia fm., Paleocene
 (Loeblich, *et al.*, 1957)
- 1573 **Dosiniopsis lenticularis** (Rogers and Rogers) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 6, pl. 1, fig. 16
 Aquia Cr., Stafford Co., Va. Aquia fm., Paleocene
 (Loeblich, *et al.*, 1957)
- 1571 **Dosiniopsis lenticularis meeki** Conrad Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 7, pl. 1, figs. 8, 13 (left
 valve)
 Mouth of Potomac Cr., Stafford Co., Va. Aquia fm.,
 Paleocene (Loeblich, *et al.*, 1957)
- 1572 **Dosiniopsis lenticularis meeki** Conrad Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 7, pl. 1, figs. 10, 14 (right
 valve of 1571)
 Mouth of Potomac Cr., Stafford Co., Va. Aquia fm.,
 Paleocene (Loeblich, *et al.*, 1957)
- 20946 **Drillia aquanica** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 65, pl. 5, fig. 16
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20947 **Drillia aquanica** Olsson "var." Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 65, pl. 5, fig. 17
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20954 **Drillia aquaensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 73, pl. 5, fig. 25
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20945 **Drillia aurantia** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 68, pl. 5, fig. 15
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 1362 **Drillia belloides** Olsson Probably paratype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 6
 James R., N. of Smithfield, Isle of Wight Co., Va.
 Yorktown fm., upper Miocene

- Drillia belloides** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 6, pl. 1, fig. 8 (missing prior to 1937)
 James R., N. of Smithfield, Isle of Wight Co., Va.
 Yorktown fm., upper Miocene
- 20936 **Drillia bocasensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922 p. 73, pl. 5, fig. 5
 Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20937 **Drillia bocatoroensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 67, pl. 5, fig. 6
 Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 3430 **Drillia calligona** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 7, pl. 2, fig. 1
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 20925 **Drillia carruca** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 71, pl. 4, fig. 11
 E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
 middle Miocene
- 20933 **Drillia chirquiensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 64, pl. 5, fig. 2
 Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20943 **Drillia citria** Olsson Holotype
 Olsson, B.A.P., v. 9, N. 39, 1922 p. 65, pl. 5, figs. 12, 13
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 20938 **Drillia coccos** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 64, pl. 5, fig. 7
 Coco Plum, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 20944 **Drillia cocosina** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922 p. 75, pl. 5, fig. 14
 Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 1011 **Drillia consors** (Sowerby) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 190, pl. 32, fig. 10
 Thirteenth mi. post on Guaico-Tamana rd., S. Tamana Ward
 SW. St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
 Manzanilla fm., Miocene
- 20922 **Drillia consors** (Sowerby) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 61, pl. 4, fig. 8
 Grape Point Creek, Limon Prov., C. R. Gatun fm.,
 middle Miocene

- 20924 **Drillia consors** (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 61, pl. 4, fig. 10
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 20927 **Drillia consors** (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 61, pl. 4, fig. 13
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21360 **Drillia consors** (Sowerby) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 11, pl. 2, fig. 7
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene
- 21361 **Drillia consors** (Sowerby) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 11, pl. 2, fig. 8
Río Gurabo, Dom. Rep. Miocene
- 20932 **Drillia cristobali** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 72, pl. 5, fig. 1
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 3431 **Drillia dryados** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 7, pl. 2, fig. 2
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff gr., upper lower Miocene
- 460 **Drillia ecphorae** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 6, pl. 1, fig. 3
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 461 **Drillia ecphorae** Olsson Paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 6
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 21068 **Drillia estrellana** Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 69, pl. 10, figs. 31, 32
Estrella R., Limon Prov., C. R. Gatun fm., middle Miocene
- 1366 **Drillia gastrophila** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 5, pl. 1, fig. 12
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 1370 **Drillia gastrophila** Olsson Paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 5, pl. 1, fig. 16
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 3432 **Drillia grabaui** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 8, pl. 2, fig. 3
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene

- 3432a **Drillia grabaui** Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1014 **Drillia henekeni** (Sowerby) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 188, pl. 32, fig. 13
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 1013 **Drillia henekeni caroniana** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 189, pl. 32, fig. 12
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 20939 **Drillia limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 71, pl. 5, fig. 8
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20940 **Drillia limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 71, pl. 5, fig. 9
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20941 **Drillia limonetta** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 70, pl. 5, fig. 10
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20929 **Drillia limonica** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 66, pl. 4, fig. 15
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20948 **Drillia lithocolletoides** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 74, pl. 5, fig. 18
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 3433 **Drillia louisae** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 8, pl. 2, fig. 4
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3433a **Drillia louisae** Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1364 **Drillia magnoliana** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 8, pl. 1, fig. 10
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1365 **Drillia magnoliana** Olsson Paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 8, pl. 1, fig. 11

Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene

- 1005 ***Drillia manzanillica*** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 190, pl. 32, fig. 4
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 1367 ***Drillia mcgrawensis*** Olsson Holotype and unfigured paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 8, pl. 1, fig. 13
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 3434 ***Drillia meunieri*** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 9, pl. 2, fig. 5
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 20955 ***Drillia musa*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 74, pl. 5, fig. 26
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20956 ***Drillia musacina*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 69, pl. 5, fig. 27
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20957 ***Drillia musacina*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 69, pl. 5, fig. 28
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 3435 ***Drillia nemoralis*** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 9, pl. 2, fig. 6
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., upper lower Miocene
- 20919 ***Drillia papaya*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 63, pl. 4, fig. 5
Río Cocles, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3898 ***Drillia parina*** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 31, pl. 8, fig. 12
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3899 ***Drillia parina*** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 31, pl. 8, fig. 13
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3900 ***Drillia parina*** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 31, pl. 8, fig. 14
Negritos, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 22941 **Drillia puertocolombiana** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 55, pl. 5, fig. 16
Between Las Perdices and Pto. Colombia, Dept. of Atlantico,
Col. Miocene
- Drillia smithfieldensis** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 7, pl. 1, fig. 6 (missing
prior to 1937)
James R., N. of Smithfield, Isle of Wight Co., Va.
Yorktown fm., upper Miocene
- 21359 **Drillia** sp. Figured specimen
Palmer, B.A.P., v. 10, No. 40, 1923, p. 11, pl. 2, fig. 6
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9°
45' N.; long 82° 50' W., Limon Prov., C. R. Uscari
sh., lower Miocene
- 3436 **Drillia stonemanae** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 10, pl. 2, fig. 7 (feminine
ending, named for Dr. Bertha Stoneman)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 20942 **Drillia theobroma** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 68, pl. 5, fig. 11
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 3437 **Drillia vandenbroeckii** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 10, pl. 2, fig. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1006 **Drillia vaningeni machapoorensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 191, pl. 32, fig. 5
Thirteenth mi. post on Guaico-Tamana rd., S. Tamana Ward,
SW. St. Andrew Co., Trinidad, W. I. Machapoorie
mem., Manzanilla fm., Miocene
- 1010 **Drillia vaningeni machapoorensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 191, pl. 32, fig. 9
Thirteenth mi. post on Guaico-Tamana rd., S. Tamana Ward,
SW. St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 1002 **Drillia vaningeni sanctiandreae†** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 191, pl. 32, fig. 1
Near 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 1015 **Drillia vaningeni sanctiandreae†** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 191, pl. 32, fig. 14
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 20923 **Drillia venusta** (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 61, pl. 4, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 3750 **?Durania** sp. Figured specimen
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 50, pl. 8, fig. 3
 Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
 Peru Monte Grande fm., Maestrichtian
- 22460 **Dyocibicides biserialis** (Cushman and Valentine) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 368, pl. 49, figs. 7a, b
 Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22461 **Dyocibicides biserialis** (Cushman and Valentine) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 368
 Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22462 **Dyocibicides biserialis** (Cushman and Valentine) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 368
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22463 **Dyocibicides biserialis** (Cushman and Valentine) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 368
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22464 **Dyocibicides perforatus** (Cushman and Valentine) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 368, pl. 49, figs. 8a-c
 Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 20595 **Earlandia perparva** Plummer Holotype
 Plummer, Univ. Tex. Bull. 3019, 1930, p. 13, pl. 1, figs. 2b-c;
 Marks, Micropal., v. 6, No. 4, 1952, p. 35
 Shale slope, E. side of abandoned clay pit, Bridgeport Brick
 Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
 Brownwood shale, Upper Pennsylvanian
- 20596- **Earlandia perparva** Plummer Paratypes
 20597 Plummer, Univ. Tex. Bull. 3019, 1930, p. 13, pl. 1, figs. 2b-c;
 Marks, Micropal., v. 6, No. 4, 1952, p. 35
 Shale slope, E. side of abandoned clay pit, Bridgeport Brick
 Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
 Brownwood shale, Upper Pennsylvanian
- 5058 **Ecculiomphalus fredericus** Raymond Holotype
 Raymond, B.A.P., v. 3, No. 14, 1902, p. 39, pl. 18, fig. 4
 Crown Point, Essex Co., N. Y. Chazy ls., Chazyan,
lower Champlainian (Middle) Ordovician
- 5372 **Ecculiomphalus multiseptarius** Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11, pl. 15, fig. 1
 Ft. Hunter, Montgomery Co., N. Y. "Calceiferous",
Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
(Lower) Ordovician
- 5373 **Ecculiomphalus multiseptarius** Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11, pl. 15, fig. 2

Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
 Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
 (Lower) Ordovician
 See *Liomphalus multiseptarius* (Cleland)

- 5374 *Ecculiomphalus multiseptarius* Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11, pl. 15, fig. 3
 Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
 Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
 (Lower) Ordovician
- 5375 *Ecculiomphalus multiseptarius* Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11, pl. 15, fig. 4 probably
 Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
 Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
 (Lower) Ordovician
- 5376 *Ecculiomphalus multiseptarius* Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11
 Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
 Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
 (Lower) Ordovician
- 5377 *Ecculiomphalus multiseptarius* Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 11 (7 young specimens)
 Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
 Tribes Hill ls., Beekmantown ls., Beekmantown gr., Canadian
 (Lower) Ordovician
- 5939 *Ecdyceras sinuiferum* Flower Holotype
 Flower, Jour. Pal., v. 15, No. 5, 1941, p. 547, pl. 77, figs. 2, 3
 One mile W. of Chazy, Clinton Co., N. Y. Crown Pt.
 ls., middle Chazy ls., Chazyan, lower Champlainian (Middle)
 Ordovician
- 5940 *Ecdyceras sinuiferum* Flower Paratype
 Flower, Jour. Pal., v. 15, No. 5, 1941, p. 547, pl. 76, figs. 14-16;
 pl. 77, fig. 1
 One mile W. of Chazy, Clinton Co., N. Y. Crown Pt.
 ls., middle Chazy ls., Chazyan, lower Champlainian (Middle)
 Ordovician
- 3797 *Echinobrissus cubensis* Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 27, pl. 2, figs. 1, 3
 About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
 on Central San Antonio R.R., E. Habana Prov., Cuba
 lower upper Cretaceous
- 3798 *Echinobrissus cubensis* Weisbord Paratype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 27, pl. 2, fig. 2
 About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
 on Central San Antonio R.R., E. Habana Prov., Cuba
 lower upper Cretaceous
- 22923 *Echinochama antiquata* Dall Hypotype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 19, pl. 4, fig. 5
 Near Tuberá ?, Dept. of Atlantico, Col. Miocene

- 21272 *Echinochama antiquata* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 218, pl. 28, fig. 8
Río Blanco, Limon Prov., C. R. Gatun fm., middle Miocene
- 24641 *Echinochama cornuta* (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 62, pl. 10, fig. 62
Sanibel, Lee Co., Fla. Recent
- 21269 *Echinochama yaquensis* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 219, pl. 28, fig. 5
Old Harbor, Limon Prov., C. R. Gatun fm., middle Miocene
- 22567 *Echinocythereis clarkana* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 84
Crisfield Well, depth 287-388 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 22568 *Echinocythereis clarkana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 84
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22569 *Echinocythereis clarkana* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 84, pl. 10, figs. 3a-c
Ft. Eustis Well, depth 101-160 ft., City of Warwick (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 25007 *Echinodiscus* (Amphiope) *neuparthi* (de Loriol) Hypotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 19
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola
Miocene
- 3837 *Echinolampas camagüeyensis* Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 81, pl. 8, figs. 9-11
Between Jatibonico and Ciego de Avila, from rd. cut on Central Highway of Cuba, 150 m. E. of km. post 440, Camagüey Prov., Cuba
Oligocene
- 3829 *Echinolampas nuevitasensis* Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 65, pl. 7, figs. 4-6
In R.R. cut above 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba
upper Eocene
- Echinolampas ovumserpentis* Guppy Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pp. 104, 106, pl. 18, figs. 6, 7 (lost prior to 1937), [*Echinolammus* sic]
In front of Sargent house, Mt. Moriah, just N. of San Fernando, NW. Naparima Ward, W. Victoria Co., Trinidad, W. I.
uppermost Cretaceous
- 3839 *Echinolampas* cf. *semiorbis* Guppy Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 81, pl. 9, figs. 3, 4
Between Jatibonico and Ciego de Avila, from rd. cut on Central Highway of Cuba, 150 m. E. of km. post 440, Camagüey Prov., Cuba
Oligocene

- 14974 ***Ecephora quadricostata*** Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powells Lake Spillway, *Ecephora* bed (3d from top sand), York
Co., Va. Yorktown fm., upper Miocene
- 6058 **?*Ectenoceras gracilis*** (Cleland) Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 17, figs. 5, 6;
Cleland, B.A.P., v. 4, No. 18, 1903, p. 13, pl. 3, fig. 11; Ulrich,
Foerste, and Miller, G. S. A. Special Paper No. 49, pt. 2, 1943,
p. 121 (holotype not No. 85186a in U. S. Nat. Mus., paratypes
not Nos. 85186b-d; measurements of U. F. and M. not of holo-
type)
Type locality, bed V 2, Ft. Hunter, Montgomery Co., N. Y.
"Calcliferous", Tribes Hill ls., Beekmantown gr.,
Canadian (Lower) Ordovician
See *Cryptoceras gracilis* Cleland and *Cyrtoceras* sp.
- 3650 ***Ectinochilus gaudichaudi*** (d'Orbigny) Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 71, pl. 16, fig. 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3652 ***Ectinochilus gaudichaudi*** (d'Orbigny) Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 71, pl. 16, fig. 7
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3648 ***Ectinochilus gaudichaudi alauda*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 73, pl. 16, fig. 3
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3649 ***Ectinochilus gaudichaudi alauda*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 73, pl. 16, fig. 4
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 4623 ***Ectinochilus laqueatum*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 308,
pl. 40, figs. 3, 4, 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2982 ***Ectinochilus laqueatum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 244, pl. 33, figs. 1, 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2983 ***Ectinochilus laqueatum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 244, pl. 33, figs. 2, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2985 ***Ectinochilus laqueatum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 244, pl. 33, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4624 **Ectinochilus (Vaderos) stenzeli** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 308,
pl. 40, figs. 5, 7
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4625 **Ectinochilus (Vaderos) stenzeli** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 308,
pl. 40, fig. 6
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3996 **Ecuadorea bibliana** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 45,
pl. 7, fig. 1
On road from Biblián to Azógues, Cañar Prov., Ecu.
Biblián ss., possible Miocene
- 3997 **Ecuadorea bibliana** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 45,
pl. 7, fig. 2
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián
ss., possible Miocene
- 3998 **Ecuadorea bibliana** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 45,
pl. 7, fig. 3
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián
ss., possible Miocene
- 3999 **Ecuadorea bibliana** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 45,
pl. 7, fig. 4
On road from Biblián to Azógues, Cañar Prov., Ecu.
Biblián ss., possible Miocene
- 4000 **Ecuadorea bibliana** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 45,
pl. 7, figs. 5, 6
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián
Biblián ss., possible Miocene
- 5292 **Edmondia** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 79, pl. 41, fig. 4
Salamanca Rock, N. of Salamanca, Cattaraugus Co., N. Y.
Salamanca fm., Conewango stage, Upper Devonian
- 6026 **Edmondia sylvana** Hartt and Rathbun Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 74, pl. 8, fig. 6 (lost prior to 1956)
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 1209 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 48, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 1210 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 48, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1211 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 48, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1212 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 48, fig. 16a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1213 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 49, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1214 **Egerella subtrigonia** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 157, pl. 49, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 25458 **Ehrenbergina bermudezi** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 283, pl. 28, figs. 1a, 1b [D.K.P. slide 191.9-18 (81)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligo-
cene [Miocene, Cole, 1958, p. 222]
- 25134 **Ehrenbergina navalis** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 23, pl. 5, figs. 4, 5
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25135 **Ehrenbergina navalis** Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 23
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25136 **Ehrenbergina serrata** Reuss Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 24, pl. 5, figs. 6, 7
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 15005 **Elephas primigenius** Blumenbach Hypotype
Smith, B., in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull.
171), 1914, p. 68 (fragments of tusk)
E. side of Limestone Cr., near Manlius Station (now Minoa)
on West Shore R.R., Onondaga Co., N. Y. Quaternary
(Post-Glacial)
- 5812 **Elensoceras nicholsi** Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 55, pl. 3, figs. 1, 2
Pratt's Falls, Onondaga Co., N. Y. Hamilton gr., Middle
Devonian

- 25116 *Ellipsoidina ellipsoides* Seguenza Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 19, pl. 2, figs. 18, 19
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25442 *Ellipsonodosaria annulifera* Cushman and Bermudez Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 188, pl. 15, fig. 2 [D.K.P. slide 191.9-18 (57)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba Coji-
mar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20044 *Ellipsonodosaria caribaea* D. K. Palmer Holotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 53, pl. 1, fig. 6
Road uphill (to formerly Capt. Baker's house) off of road
from Bowden P. O. to United Fruit Co. wharf, Port Morant,
St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 25122 *Ellipsonodosaria cryptocosta* Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 20, pl. 3, fig. 3
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25443 ?*Ellipsonodosaria cf. matanzana* Palmer and Bermudez Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 189, pl. 15, fig. 1 [D.K.P. slide 191.9-18 (48)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21726 *Ellipsonodosaria rotunda* (d'Orbigny) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 14, pl. 3, fig. 13
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25118 *Ellipsonodosaria tuckerae* Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 21, pl. 3, figs. 1, 2
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25119 *Ellipsonodosaria tuckerae* Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 21
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25120 *Ellipsonodosaria verneulli* (d'Orbigny) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 20, pl. 3, figs. 4, 5, 6
Fig. 4 from R.R. cut between Nuevitas and Pastelillo, 1½-2
km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov.,
Cuba upper Eocene. Figs. 5, 6 from fifty m. SE. en-
trance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov.,
Cuba Oligocene
- 24859 *Ellobium pellucens* Menke Representative specimen
Perry and Schwengel, 1955, p. 197, pl. 39, fig. 285
Sanibel, Lee Co., Fla. Recent
- 22269 *Elphidium advena* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 341, pl. 43, figs. 5a, b

Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene

- 4467 *Elphidium concinnum* Nicol Paratype
Nicol, Jour. Pal., v. 18, No. 2, 1944, p. 179
San Quintin, Baja Calif., Mex. Recent
- 4466 *Elphidium excubitor* Nicol Paratype
Nicol, Jour. Pal., v. 18, No. 2, 1944, p. 178
Punta Peñasco, St. of Sonora, Mex. Recent
- 4463 *Elphidium fax* Nicol Paratype
Nicol, Jour. Pal., v. 18, No. 2, 1944, p. 177
Dallas Bank, Str. Juan de Fuca, Clallam Co., Wash.
Recent
- 4465 *Elphidium fax barbarensense* Nicol Paratype
Nicol, Jour. Pal., v. 18, No. 2, 1944, p. 178
Bathhouse Beach, Santa Barbara, Santa Barbara Co., Calif.
Pleistocene
- 4464 *Elphidium fax pingue* Nicol Paratype
Nicol, Jour. Pal., v. 18, No. 2, 1944, p. 177
Intertidal zone, Mussel Pt., Monterey Bay, Calif.
Recent
- 22270 *Elphidium incertum* (Williamson) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 342
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22271 *Elphidium incertum* (Williamson) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 342, pl. 43, fig. 3a, b
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22272 *Elphidium incertum* (Williamson) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 342
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22273 *Elphidium incertum* (Williamson) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 342
Powells Lake Spillway, *Ecphora* bed (3d from top sand), James
City Co., Va. Yorktown fm., upper miocene
- 22274 *Elphidium incertum* (Williamson) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 342, pl. 43, fig. 2
Powells Lake Spillway, *Ostrea* bed (2d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 22275 *Elphidium johnstonae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 44, figs. 3a, b
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22276 *Elphidium johnstonae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 42, figs. 9a-c

- Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22277 *Elphidium johnstonae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 343
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22278 *Elphidium johnstonae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 343
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22279 *Elphidium johnstonae* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 42, figs. 18a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22280 *Elphidium johnstonae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 44, figs. 4, 5, 7
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22281 *Elphidium johnstonae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 343
Powells Lake Spillway, *Ecphora* bed (3d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 22282 *Elphidium kaicherae* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 42, fig. 17
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22283 *Elphidium kaicherae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 42, figs. 11,
13a, b, 16
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22284 *Elphidium kaicherae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 343, pl. 42, figs. 14,
15a, b
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 5303 *?Elymella chadwicki* Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 88, pl. 42, fig. 2
Stone Hill, SE. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5439 *Elytha colombiana* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, figs. 1, 2
(external ventral mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5439A *Elytha colombiana* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, fig. 4 (external dorsal mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5440 *Elytha colombiana* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5440A *Elytha colombiana* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5441 *Elytha colombiana* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, figs. 5, 6
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5442 *Elytha colombiana* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, fig. 7
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5443 *Elytha colombiana* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 146, pl. 13, fig. 8
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 6015 *Elytha colombiana* Caster Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 69, pl. 7, fig. 7
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulía, Ven. Caño Grande fm., Lower-Middle Devonian
- 6014 ?*Elytha plana* Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 69, pl. 7, figs. 6, 6a
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulía, Ven. Lower-Middle Devonian
- 2665 *Emarginula arata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 32, pl. 3, fig. 11 (not *Emarginata* as in expl. of pl.)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2666 *Emarginula arata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 32, pl. 3, figs. 14-16 (not *Emarginata* as in expl. of pl.)

Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 20598 **Endothyra distensa** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 239, pl. 16, fig. 11;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Left bank of Colorado R., 0.25 mi. above old Alexander Dam
and below bridge at Marble Falls, Burnet Co., Tex.
Marble Falls fm., Lower Pennsylvanian
- 20599 **Endothyra distensa** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 239, pl. 16, fig. 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
W. bank of Big Saline Cr., on Morgan ranch, 3500 ft. NNW. of
goat shed, 1.75 mi. NW. of old Pfluger ranch house and 3 mi.
SE. of London, Kimble Co., Tex. Marble Falls fm.,
Lower Pennsylvanian
- 20600 **Endothyra distensa** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 239, pl. 16, fig. 10;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Road cut on old San Saba-Rochelle highway, 1.3 rd. mi. W. of
Hotel San Saba, San Saba, and 0.1 mi. N. of new highway,
San Saba Co., Tex. Marble Falls fm., Lower Penn-
sylvanian
- 20601 **Endothyra watersi** Plummer Holotype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 15, pl. 1, fig. 6a-b;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Shale slope, E. side of abandoned clay pit, Bridgeport Brick
Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian
- 20602 **Endothyranella armstrongi** Plummer Holotype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 18, pl. 1, fig. 9a-c;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Shale slope, E. side of abandoned clay pit, Bridgeport Brick
Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian
- 20603- **Endothyranella armstrongi** Plummer Paratypes
20607 Plummer, Univ. Tex. Bull. 3019, 1930, p. 18, pl. 1, figs. 10,
12-15; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Shale slope, E. side of abandoned clay pit, Bridgeport Brick
Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian
- 20608 **Endothyranella armstrongi** Plummer Paratype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 18, pl. 1, fig. 11;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Shale slope, E. side of abandoned clay pit, Bridgeport Brick
Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood sh., Upper Pennsylvanian
- 22654 **Endothyranella armstrongi** Plummer Paratype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 18 (S-665 not in
Walker Mus.: paratype designated by author) (not in Marks,
Micropal., 1952)

Shale slope, E. side of abandoned clay pit, Bridgeport Brick Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood sh., Upper Pennsylvanian

- 20609 **Endothyranella armstrongi sobrina** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 242, pl. 16, fig. 12;
Marks, Micropal., v. 6, No. 4, 1952, p. 35
Road cut on old San Saba-Rochelle highway, 1.3 rd. mi. W. of
Hotel San Saba, San Saba, and 0.1 mi. N. of new highway, San
Saba Co., Tex. Marble Falls fm., Lower Pennsylvanian
- 20610- **Endothyranella armstrongi sobrina** Plummer Paratypes
20612 Plummer, Univ. Tex. Publ. 4401, 1945, p. 242, pl. 16, figs.
13-15; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Road cut on old San Saba-Rochelle highway, 1.3 rd. mi. W. of
Hotel San Saba, San Saba, and 0.1 mi. N. of new highway, San
Saba Co., Tex. Marble Falls fm., Lower Pennsylvanian
- 25318 **Ensis directus** Conrad Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 1
Beaufort, Carteret Co., N. C. Recent
- 24692 **Ensis minor** Dall Representative specimen
Perry and Schwengel, 1955, p. 88, pl. 17, fig. 112
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 3494 **Ensis schmidtii** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 15, pl. 3, fig. 1 (right
valve)
Jack's Bluff, Nansemond R., Nansemond Co., Va.
Yorktown fm., upper Miocene
- 3495 **Ensis schmidtii** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 15, pl. 3, fig. 2 (left valve)
Jack's Bluff, Nansemond R., Nansemond Co., Va.
Yorktown fm., upper Miocene
- 3496 **Ensis schmidtii** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 15, pl. 3, fig. 3
Jack's Bluff, Nansemond R., Nansemond Co., Va.
Yorktown fm., upper Miocene
- 3497 **Ensis schmidtii** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 15, pl. 3, fig. 4
Jack's Bluff, Nansemond R., Nansemond Co., Va.
Yorktown fm., upper Miocene
- 25108 **Entosolenia staphyllearia** (Schwager) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 17, pl. 2, figs. 10, 11
Fifty mi. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 5433 **Eodevonaria imperialis** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122, pl. 7, figs. 17, 18
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5433A *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5433B *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5433C *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5433D *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5433E *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122, pl. 9, fig. 3 (cast
missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5433F *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122 (missing prior to
1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5434 *Eodevonaria imperialis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122, pl. 7, figs. 11, 12
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5435 *Eodevonaria imperialis* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 122, pl. 7, figs. 13, 14
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 6003 "*Eodevonaria imperialis*? Caster" Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 63, pl. 6, figs. 8, 9
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5420B *Eodevonaria imperialis parva* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 126, pl. 9, figs. 4-7
(cast missing prior to 1956)

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5420D *Eodevonaria imperialis parva* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 126 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5432 *Eodevonaria imperialis parva* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 126, pl. 7, figs. 15, 16
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5434B *Eodevonaria imperialis parva* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 126, pl. 7, figs. 9, 10 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5404 *Eodevonaria imperialis transversa* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 128, pl. 7, figs. 5, 6
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5422B *Eodevonaria imperialis transversa* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 128, pl. 11, figs. 19, 20
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5434A *Eodevonaria imperialis transversa* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 128, pl. 11, fig. 18
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5403 *Eodevonaria reedi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 129, pl. 7, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5404A *Eodevonaria reedi* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 129, pl. 9, figs. 1, 2
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5404B *Eodevonaria reedi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 129
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 2605 **Eodrillia lonsdalei** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2606a **Eodrillia lonsdalei** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2606b **Eodrillia lonsdalei** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2606c **Eodrillia lonsdalei** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2606d **Eodrillia lonsdalei** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 86, pl. 14, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2607 **Eodrillia texana** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 15
Columbus, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2608 **Eodrillia texana** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 16
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 2609 **Eodrillia texana** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 17
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2610a **Eodrillia texana educata** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 18
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch, 1902, p. 129-130) middle or
upper Claiborne gr., middle Eocene
- 2610b **Eodrillia texana educata** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 19
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch, 1902, p. 129-130) middle or
upper Claiborne gr., middle Eocene
- 2610c **Eodrillia texana educata** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 87, pl. 14, fig. 20
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch, 1902, p. 129-130) middle or
upper Claiborne gr., middle Eocene

- 2611a *Eodrillia texanopsis* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 88, pl. 14, fig. 21
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2611b *Eodrillia texanopsis* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 88, pl. 14, fig. 22
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 1555 *Eontia olssoni* (Sheldon and Maury) Holotype
Maury, P. A., v. 1, No. 4, 1922, p. 10, pl. 1, figs. 6, 9; MacNeil,
U. S. G. S. Prof. Paper 189-A, 1938, p. 13, pl. 1, figs. 19, 20
Búcaro,* Los Santos Prov., Pan. Recent
See *Arca* (*Noetia*) *olssoni* Sheldon and Maury
- 2427 *Eopleurotoma adolescens* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 16
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2428 *Eopleurotoma adolescens* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 17
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2429 *Eopleurotoma adolescens* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 18
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4989 ?*Eopleurotoma albirupsis* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 428,
pl. 59, fig. 5
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 2419 *Eopleurotoma cainel* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., upper Claiborne gr., middle Eocene
- 2420 *Eopleurotoma cainel* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 9
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2442(1) *Eopleurotoma carya* Harris Syntype
Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 10
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2443(1) *Eopleurotoma carya* Harris Syntype
Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 11
Newton, Newton Co., Miss. Cook Mt., fm., upper Clai-
borne gr., middle Eocene

- 4987 *Eopleurotoma carya* Harris "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 427,
pl. 59, fig. 2
Exact locality unknown Jackson gr., upper Eocene
- 2440(2) *Eopleurotoma carya* Harris "var." Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 18; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 427, pl. 59, fig. 1
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4988 *Eopleurotoma carya* ?*carola* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 428,
pl. 59, fig. 3
Exact locality unknown Jackson gr., upper Eocene
- 4988a *Eopleurotoma carya* ?*carola* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 428,
pl. 59, fig. 4
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2439(2) *Eopleurotoma carya carola* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 17
Five mi. NW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2444(1) *Eopleurotoma carya fisheriana* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 12
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2445(1)a *Eopleurotoma carya fisheriana* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 13
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2445(1)b *Eopleurotoma carya fisheriana* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 5 (Holotype
designated by Harris when cataloging figured specimens)
Fisher, Sabine Par., La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 2437(2) a *Eopleurotoma carya hicoria* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 14
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2437(2) b *Eopleurotoma carya hicoria* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 15
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2438(2) *Eopleurotoma carya hicoria* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 16
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene

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| 2439(1) | Eopleurotoma cochlea Harris | Holotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 33, pl. 5, fig. 6 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2456 | Eopleurotoma depygis (Conrad) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 6, fig. 18 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2457 | Eopleurotoma depygis (Conrad) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 6, fig. 19 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2458 | Eopleurotoma depygis (Conrad) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 7, figs. 1, 2 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2430a | Eopleurotoma desnoyersi (Lea) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 19 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2430b | Eopleurotoma desnoyersi (Lea) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 20 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2431a | Eopleurotoma desnoyersi (Lea) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 21 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2431b | Eopleurotoma desnoyersi (Lea) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 22 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| | Eopleurotoma "gemmata" (Conrad) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 32, pl. 4, figs. 30, 31 (not deposited in 1937) | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2435 | Eopleurotoma "gemmata" (Conrad) | Hypotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 32, pl. 4, fig. 32 | |
| | Claiborne Bluff, Alabama R., Monroe Co., Ala. | Gosport |
| | sd., uppermost Claiborne gr., middle Eocene | |
| 2452 | Eopleurotoma gemmavia Harris | Holotype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 12 | |
| | Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai- | |
| | borne gr., middle Eocene | |
| 2453 | Eopleurotoma gemmavia Harris | Paratype |
| | Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 13 | |

- Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2454 *Eopleurotoma gemmavia* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 14
Newton, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2467 *Eopleurotoma hoeninghausi* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 7, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2468 *Eopleurotoma hoeninghausi* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 7, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2469 *Eopleurotoma hoeninghausi* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 37, pl. 7, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2448 *Eopleurotoma lisboncola* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 8
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2449 *Eopleurotoma lisboncola* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 9
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2450 *Eopleurotoma lisboncola* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 10
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2451 *Eopleurotoma lisboncola* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 11
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2440(1) *Eopleurotoma "monillifera"* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 31, pl. 5, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2441(1) *Eopleurotoma "monillifera"* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 31, pl. 5, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2441(2)a *Eopleurotoma nodocarinata* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 19
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene

- 2441(2)b *Eopleurotoma nodocarinata* (Gabb) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 20
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 2442(2)a *Eopleurotoma nodocarinata* (Gabb) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 21
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 2442(2)b *Eopleurotoma nodocarinata* (Gabb) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 5, fig. 22
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 2443(2) *Eopleurotoma nodocarinata* (Gabb) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 34, pl. 6, fig. 1
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 2444(2) *Eopleurotoma nodocarinata* (Gabb) "var." Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 2
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 2445(2)a *Eopleurotoma nodocarinata* (Gabb) "var." Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 3
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 2445(2)b *Eopleurotoma nodocarinata* (Gabb) "var." Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 4
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 2446a *Eopleurotoma nodocarinata enstrierina* (Harris) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 5
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 2446b *Eopleurotoma nodocarinata enstrierina* (Harris) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 6
 Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
 Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 2432a *Eopleurotoma nupera* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 23
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2432b *Eopleurotoma nupera* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 24
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 2433 *Eopleurotoma nupera* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 29, pl. 4, fig. 25
Newton, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2434a *Eopleurotoma nupera nuppygis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 30, pl. 4, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2434b *Eopleurotoma nupera nuppygis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 30, pl. 4, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2471 *Eopleurotoma orangeburgensis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 10
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2472 *Eopleurotoma orangeburgensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 11
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2473 *Eopleurotoma orangeburgensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 12
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2474 *Eopleurotoma orangeburgensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 13
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2475 *Eopleurotoma orangeburgensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 14
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2422a *Eopleurotoma ouachitensis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 11
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 2422b *Eopleurotoma ouachitensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 11a
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4453 *Eopleurotoma ouachitensis* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 426, pl. 58, fig. 14
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4454 *Eopleurotoma ouachitensis* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 426, pl. 58, fig. 15

- Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 24184 *Eopleurotoma paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 29, pl. 3, fig. 11
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24186 *Eopleurotoma paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 29, pl. 3, fig. 13
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24189 *Eopleurotoma paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 29, pl. 3, fig. 16
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24190 *Eopleurotoma paytensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 29, pl. 3, fig. 17
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 2423 *Eopleurotoma plumbella* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 12
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2424a *Eopleurotoma plumbella* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 13
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, 129-130) middle or
upper Claiborne gr., middle Eocene
- 2424 *Eopleurotoma plumbella* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 13
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2425 *Eopleurotoma politica* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 14
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2455a *Eopleurotoma rugatina* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2455b *Eopleurotoma rugatina* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2455c *Eopleurotoma rugatina* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 36, pl. 6, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2470a **Eopleurotoma rugosa** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost gr., middle Eocene
- 2470b **Eopleurotoma rugosa** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 38, pl. 7, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost gr., middle Eocene
- 2421a **Eopleurotoma sabinaria** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 10
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, pp. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2421b **Eopleurotoma sabinaria** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 10a
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, pp. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2421c **Eopleurotoma sabinaria** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 27, pl. 4, fig. 10b
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, pp. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2436 **Eopleurotoma sayi** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 30, pl. 5, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2437(1) **Eopleurotoma sayi** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 30, pl. 5, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2438(1) **Eopleurotoma sayi** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 30, pl. 5, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2447 **Eopleurotoma thyroidifera** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 35, pl. 6, fig. 7
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 24197 **Eopleurotoma wiedeyi** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 30, pl. 4, fig. 5
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24202 **Eopleurotoma wiedeyi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 30, pl. 4, fig. 10
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24203 **Eopleurotoma wiedeyi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 30, pl. 4, fig. 11
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 2476 **Eosurecula beaumonti** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 39, pl. 7, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2477 **Eosurecula lesueuri** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 39, pl. 7, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2478 **Eosurecula lesueuri** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 39, pl. 7, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2480 **Eosurecula lesueuri** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 39, pl. 7, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2481 **Eosurecula lesueuri** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 39, pl. 7, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2479 **Eosurecula lesueuri beta** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 7, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2487 **Eosurecula moorei** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 7
Mosley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2488 **Eosurecula moorei** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2489 **Eosurecula moorei** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 9 (missing
prior to 1955)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2490 **Eosurecula moorei** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 10
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2491 **Eosurecula moorei** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 11

- Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2492 *Eosurecula moorei* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 12
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2494a *Eosurecula moorei* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 17
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2494b *Eosurecula moorei* (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 41, pl. 8, fig. 18
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2496 *Eosurecula moorei corpulenta* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 20
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2494c *Eosurecula moorei moorella* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 19
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, pp. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2493 *Eosurecula moorei olssoni* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 14
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2484 *Eosurecula pulcherrima* (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 7, fig. 24; pl. 8, fig. 2
Newton, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2485 *Eosurecula pulcherrima* (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 8, fig. 3
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2486 *Eosurecula pulcherrima* (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 8, fig. 4
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2499a *Eosurecula quadriplenta* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 23
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 2499b *Eosurecula quadriplenta* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 24
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene

- 2499c *Eosurecula quadriplenta* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 25
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2499d *Eosurecula quadriplenta* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 26
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2482 *Eosurecula sanctimauroitii* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 7, fig. 22
About 10 mi. NW. of Winnfield, Winn Par., La. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 2483 *Eosurecula sanctimauroitii* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 40, pl. 7, fig. 23
About 10 mi. NW. of Winnfield, Winn Par., La. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 2497a *?Eosurecula superpons* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 21
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2497b *?Eosurecula superpons* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 22
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2498 *?Eosurecula superpons subpons* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 42, pl. 8, fig. 22a
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 24243 *Eovasum douvillei* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 49, pl. 8, figs. 4, 6
N. of Negritos, Dept. of Piura, Peru Restin fm., middle
Eocene
- 25451 *?Epistomaria cubana* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 195, pl. 16, fig. 7 [D.K.P. slide 191.9-18 (92)]
Tejar "San Jose" 1 km. SSE. of SE. corner of Campamento de
Columbia, or Calzada de Marianao at Calle Jesus Maria,
Habana Prov., Cuba Cojimar fm., Oligocene [Miocene,
Cole, 1958, p. 222]
- 25452 *?Epistomaria cubana* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 195, pl. 16, fig. 11 [D.K.P. slide 191.9-18 (92)]
Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of
Yumuri Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21623 *Epistomina bradyi* Galloway and Wissler Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 30, pl. 2, figs. 1, 2
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
bal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene

- 20613 **Epistominoides midwayensis** Plummer Holotype
Plummer, Amer. Midl. Nat., v. 15, No. 5, 1934, p. 605, pl. 24,
fig. 4; Marks, Micropal., v. 6, No. 4, 1952, p. 35
Base of high bluff on rt. bank of Colorado R., on W. side of
large bend N. of Caldwell, Bastrop Co., Tex. Kincaid
fm., Midway gr., Paleocene
- 24884 **Epitonium angulatum** (Say) Hypotype
Perry and Schwengel, 1955, p. 113, pl. 46, fig. 319
Sanibel, Lee Co., Fla. Recent
- 25332 **Epitonium angulatum** (Say) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 3, fig. 5
Beaufort, Carteret Co., N. C. Recent
- 4065 **Epitonium (Ferminoscala) ferminianum** Dall Hypotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 76, pl. 9, fig. 6
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 24723 **Epitonium humphreysii** (Kiener) Representative specimen
Perry and Schwengel, 1955, p. 114, pl. 22, fig. 146
Sanibel, Lee Co., Fla. Recent
- 24885 **Epitonium humphreysii** (Kiener) Hypotype
Perry and Schwengel, 1955, p. 114, pl. 46, fig. 320 (with eggs)
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 2750 **"Epitonium" jacobii** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 94, pl. 10, figs. 2, 4
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2751 **"Epitonium" jacobii** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 94, pl. 10, fig. 3
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2731 **Epitonium (Elegantiscala) kingae** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 96, pl. 8, figs. 22, 23
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1084 **?Epitonium leroyi** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 241, pl. 41, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
See *Springvaleia leroyi* (Guppy)
- 1087 **?Epitonium leroyi** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 241, pl. 41, fig. 11
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park

sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
See *Springvaleia leroyi* (Guppy)

- 24206 **Epitonium (Acrilla) paytense** Olsson Paratype
Olsson, B.A.P. v. 17, No. 62, 1930, p. 70, pl. 4, fig. 14
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24207 **Epitonium (Acrilla) paytense** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 70, pl. 4, fig. 15
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24208 **Epitonium (Acrilla) paytense** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 70, pl. 4, fig. 16
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3614 **Epitonium (Acrilla) peruvianum** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 54, pl. 12, fig. 10
S. of Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3615 **Epitonium (Acrilla) peruvianum** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 54, pl. 12, fig. 11
S. of Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3616 **Epitonium (Acrilla) peruvianum** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 54, pl. 12, fig. 12
S. of Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 24204 **Epitonium (Acrilla) peruvianum** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 70, pl. 4, fig. 12
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24205 **Epitonium (Acrilla) peruvianum** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 70, pl. 4, fig. 13
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 24883 **Epitonium rupicula** (Kurtz) Hypotype
Perry and Schwengel, 1955, p. 114, pl. 45, fig. 318
Sanibel, Lee Co., Fla. Recent
- 20245 **Epitonium (Nitidiscala) sp.** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 190, depth 3960-3975 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 1066 **Epitonium (Cirsotrema) tamanense** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 242, pl. 37, fig. 4
At 13 1/8 mi. on Cunapo S. rd., S. central Turure Ward, S. St.

Andrew Co., Trinidad, W. I.

Tamana fm., Miocene

- 24724 **Epitonium tollini** (Dall) Bartsch Representative specimen
Perry and Schwengel, 1955, p. 115, pl. 22, fig. 148
Sanibel, Lee Co., Fla. Recent
- 25448 **Eponides antillarum** (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 192, pl. 17, figs. 1a-c [D.K.P. slide 191.9-18 (90)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 20045 **Eponides coryelli** D. K. Palmer (megalospheric?) Syntype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 58, pl. 2, figs. 4a-c
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden, P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 20046 **Eponides coryelli** D. K. Palmer Syntype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 58, pl. 2, figs. 3a-c
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden, P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 21634a **Eponides guayabalensis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 2, fig. 18
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guav-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21634b **Eponides guayabalensis** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 2, figs. 17, 19
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guav-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25450 **Eponides jucundus** Bermudez Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 194, pl. 17, figs. 2a-c [D.K.P. slide 191.9-18 (30)]
Tejar (Station Inez), El Abre del Yumurí, (= Tejar "Yumurí")
Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene,
Cole, 1958, p. 222]
- 20614- **Eponides kleinpelli** Cushman and Frizzell Paratypes
- 20616 Cushman and Frizzell, Cushman Lab. Foram. Res., Contr., v.
16, pt. 2, 1940, p. 42, pl. 8, fig. 11; Marks, Micropal., v. 6, No. 4,
1952, p. 36
R. R. cut along the O. W. R. R. and N. Co. R. R., SW. $\frac{1}{4}$ Sec.
27, T. 15 N., R. 3 W., 0.25 mi. N. of Galvin, Lewis Co., Wash.
Lincoln fm., lower Oligocene
- 20617 **Eponides lodoensis** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No.
3, 1943, p. 23, pl. 6, fig. 8; Marks, Micropal., v. 6, No. 4, 1952,
p. 36
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 5 + 16) Mt. Diablo baseline and meridian, Panoche

- Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 21625 *Eponides mexicanus* (Cushman) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 2, figs. 6-8
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25123 *Eponides ponderosus* Hadley Holotype and paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 22, pl. 3, figs. 9-11, 14
R. R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba upper Eocene
- 25125 *Eponides ponderosus* Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 22
R. R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba upper Eocene
- 25449 *Eponides praecinctus* (Karrer) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941, p. 193, pl. 17, figs. 3a-c [D.K.P. slide 191.9-18 (29)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20618 *Eponides primus* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 23, pl. 9, fig. 4; Marks, Micropal., v. 6, No. 4, 1952, p. 36
Lodo Gulch, NE. ¼ Sec. 29, NW. ¼ Sec. 28, T. 15 S., R. 13 E., (I-S 16A) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- Eponides umbonatus* (Reuss) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 15, pl. 2, fig. 6 (not deposited in 1928)
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 3464 *Erato chipolana* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 27, pl. 6, fig. 9
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3464a *Erato chipolana* Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 27
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 24779 *Erato maugeriae* Gray Representative specimen
Perry and Schwengel, 1955, p. 148, pl. 28, figs. 207a, b
Sanibel, Lee Co., Fla. Recent
- 20219 *Ervilia* sp.
See ?*Tellina* (*Moerella*) sp.

- 20315 **Ervilla** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 24649 **Erycina floridana** Vanatta Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 59, pl. 12, figs. 70a, b;
Perry and Schwengel, 1955, p. 66, pl. 12, figs. 70a, b
Sanibel, Lee Co., Fla. Recent
- 3504 **Erycina regifica** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 17, pl. 4, figs. 3-6
Peedee R., Florence Co., S. C. Duplin fm., upper Mio-
cene
- 959 **Erycinella (Carditopsis) guppyi** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 172, pl. 27, fig. 14
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- Ethalia alexanderi** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 22, pl. 3, figs. 11-13
(missing prior to 1937)
James R., N. of Smithfield, Isle of Wight Co., Va.
Yorktown fm., upper Miocene or Natural Well, 2 mi. SW. of
Magnolia, Duplin Co., N. C. Duplin fm., upper Miocene
- 20161 **Eucalycoceras** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650
S. side Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven.
La Luna fm. near base, Upper Cretaceous
- 20301 **Eucalycoceras** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 5, fig. 6
Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven.
La Luna fm., Upper Cretaceous
- 2416 **Euchellodon crenocarinatus** Heilprin Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 25, pl. 4, fig. 3b (missing
prior to 1955)
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4450 **Euchellodon crenocarinatus** Heilprin Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 424,
pl. 58, fig. 10
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4451 **Euchellodon crenocarinatus** Heilprin Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 424,
pl. 58, figs. 11, 13
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4452 **Euchellodon crenocarinatus** Heilprin Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 424,
pl. 58, fig. 12

Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 2415 **Eucheilodon reticulatus** Gabb Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 25, pl. 4, fig. 3
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- Eucheilodon reticulatus** Gabb Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 25, pl. 4, fig. 3a (not deposited in 1937)
Locality not designated. Claiborne gr., middle Eocene
- 2193 **Eucrassatella aviaguensis peruviana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 86, pl. 6, fig. 2
Near Bayovar, Dept. of Piura, Peru Montera fm., lower Miocene
- 2194 **Eucrassatella (Hybolophus) berryi** (Spieker) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 85, pl. 6, fig. 3
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2195 **Eucrassatella (Hybolophus) berryi** (Spieker) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 85, pl. 6, fig. 4
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos fm., middle Miocene
- 2199 **Eucrassatella (Hybolophus) berryi** (Spieker) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 85, pl. 6, fig. 8
La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 20419 **Eucrassatella carrizalensis** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 63, pl. 3, figs. 3, 6
NW. of Carrizal, N. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20420 **Eucrassatella carrizalensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 63, pl. 3, fig. 8
W. of Carrizal, N. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20421 **Eucrassatella carrizalensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 63 (5 specimens)
W. of Carrizal, N. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 2197 **Eucrassatella (Hybolophus) gibbosa tucilla** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 88, pl. 6, fig. 6
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 3951 **Eucrassatella marylandica** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 51, pl. 8, figs. 2, 3
S. of Flag Pond, Calvert Co., Md. Choptank fm., lower middle Miocene

- 3954 **Eucrassatella marylandica** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 51, pl. 8, fig. 6
N. of Camp Conoy, Calvert Co., Md. Choptank fm.,
lower middle Miocene
- 3937 **Eucrassatella melina** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 49, pl. 6, fig. 3
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3938 **Eucrassatella melina** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 49, pl. 6, fig. 4
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 2192 **Eucrassatella (Hybolophus) nelsoni** (Grzybowski) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 87, pl. 6, fig. 1
Upper Quebrada Heath, Dept. of Tumbes, Peru Car-
dalitos fm., middle Miocene
- 3941 **Eucrassatella turgidula** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 50, pl. 6, fig. 7
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3949 **Eucrassatella turgidula** (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 50, pl. 7, figs. 8, 9
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 22523 **Eucythere** sp. Figured specimen
McLean, B.A.P., v. 38, No. 167, 1957, p. 76, pl. 8, figs. 3a, b
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 1382 **Eulima (Subularia) cainei** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 96, pl. 12, figs. 11, 11a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3468 **Eulima chipolana** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 30, pl. 7, fig. 9
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3468a **Eulima chipolana** Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 30
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1383 **Eulima exilis** Gabb Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 96, pl. 12, fig. 12
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3469 **Eulima scotti** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 30, pl. 7, fig. 12

- Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 20246 *Eulima* sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 190, depth 3942-3960 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20247 *Eulima* sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Punta Benitez No. 131, depth 3156-3168 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20248 *Eulima* sp. 3 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Rodriguez No. 509, depth 2346-2366 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 1386 *Eulimella tenna* Gabb Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 97, pl. 12, fig. 16
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Turbonilla* (*Ptycheulimella*) *sabina* Palmer
- 24480 *Euloxa* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 17, pl. 8, figs. 1, 2
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 5851 *Euloxoceras milleri* Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 130, pl. 2, figs. 1, 12, 13
Jack Co., Tex. Jackborough ls., Caddo fm., Pennsyl-
vanian
- 5852 *Euloxoceras milleri* Flower Paratype
Flower, P. A., v. 2, No. 10, 1939, p. 130, pl. 2, figs. 2, 3, 14
Jack Co., Tex. Jackborough ls., Caddo fm., Pennsyl-
vanian
- 5853 *Euloxoceras milleri* Flower Paratype
Flower, P. A., v. 2, No. 10, 1939, p. 130
Jack Co., Tex. Jackborough ls., Caddo fm., Pennsyl-
vanian
- 5854 *Euloxoceras milleri* Flower Paratype
Flower, P. A., v. 2, No. 10, 1939, p. 130
Jack Co., Tex. Jackborough ls., Caddo fm., Pennsyl-
vanian
- 5310 *Euomphalus* (*Straparollus*) *hecale* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 1
Panama Rocks, near the Checkered School House, Panama,
Chautauqua Co., N. Y. Panama cgl., Conewango stage,
Upper Devonian

- 5311 **Euomphalus (Straparollus) hecale** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 2
Panama Rocks, near the Checkered School House, Panama,
Chautauqua Co., N. Y. Panama cgl., Conewango stage,
Upper Devonian
- 5320 **Euomphalus (Straparollus) hecale** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 13
Panama Rocks, near the Checkered School House, Panama,
Chautauqua Co., N. Y. Panama cgl., Conewango stage,
Upper Devonian
- 5324 **Euomphalus (Straparollus) hecale** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 19
Panama Rocks, near the Checkered School House, Panama,
Chautauqua Co., N. Y. Panama cgl., Conewango stage,
Upper Devonian
- 3836 **Eupatagus siboneyensis** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 78, pl. 8, figs. 7, 8
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on
rd. to Belen, Camagüey Prov., Cuba upper Eocene
- 25345 **Eupleura caudata** (Say) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 6
Beaufort, Carteret Co., N. C. Recent
- 24786 **Eupleura caudata sulcidentata** Dall Representative specimen
Perry and Schwengel, 1955, p. 154, pl. 31, fig. 215
Sanibel, Lee Co., Fla. Recent
- 24901 **Eupleura caudata sulcidentata** Dall Hypotype
Perry and Schwengel, 1955, p. 154, pl. 49, fig. 339 (egg capsules)
Sanibel, Lee Co., Fla. Recent
- 24787 **Eupleura nitida** (Broderip) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 142, pl. 31, fig. 216; Perry
and Schwengel, 1955, p. 154, pl. 31, fig. 216
Sanibel, Lee Co., Fla. Recent
- 3412 **Euscalpellum crassissimum** Withers Holotype
Withers, Bull. British Mus. (Nat. Hist.) Geol., v. 1, No. 5,
1951, n. 161, pl. 14, figs. 1-5; Withers, Cat. Fossil Cirripedia,
v. 3, Tertiary, British Mus. (Nat. Hist.), 1953, p. 190, pl. 23,
figs. 1-4
E. of Boqueron, S. shore of Bahia Inutil, Tierra del Fuego, S. A.
?upper Eocene
- 1830 **Euscalpellum eocenense** (Meyer) Hypotype
Withers, Bull. British Mus. (Nat. Hist.) Geol., v. 1, No. 5, 1951,
p. 159; Withers Cat. Fossil Cirripedia, v. 3, Tertiary, British
Mus. (Nat. Hist.), 1953, p. 187
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2786 **Euspira aldrichi** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 129, pl. 12, figs. 5, 8

Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene

- 2787 **Euspira aldrichi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 129, pl. 12, figs. 12, 15
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 4517 **Euspira jacksonensis** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, p. 117, pt. 2, 1947, p. 251,
pl. 29, fig. 17
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4518 **Euspira jacksonensis** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 251,
pl. 29, fig. 18
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4519 **Euspira jacksonensis** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 251,
pl. 29, fig. 16
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4520 **Euspira jacksonensis** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 251,
pl. 29, fig. 19
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 2788 **Euspira marylandica** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 130, pl. 12, figs. 14, 18
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 2789 **Euspira marylandica** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 130, pl. 12, figs. 16, 17
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wil-
cox [Sabine] gr., lower Eocene
- 2779 **Euspira newtonensis** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 129, pl. 12, figs. 1, 3
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2780 **Euspira newtonensis** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 129, pl. 12, figs. 6, 11
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 284 **Euthria dubia** (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 55, pl. 7, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3701 **Eutrophoceras haughti** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 23, fig. 2

- Lagunitas, Dept. of Piura, Peru Talara fm., lower
upper Eocene
See *Cimomia haughti* (Olsson)
- 3710 **Eutrephoceras negritensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 99, pl. 26, figs. 1, 2
Near Negritos, Dept. of Piura, Peru Pale Greda fm.,
lower Eocene
See *Cimomia negritensis* (Olsson)
- 16 **Exilla pergracillis** Conrad Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 90, pl. 9, fig. 1
Dale's Branch, Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 3111 **Exillifusus thalloides** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 356, pl. 48, figs. 2, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 5805 **Exocyrtoceras exoticum** Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 38, pl. 2, figs. 12-15
Columbus, Ohio Columbus ls., Middle Devonain
Type species of *Exocyrtoceras* Flower, 1938
- 25 **Exogyra costata** Say Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 292, pl. 49, fig. 1
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 2356 **Falsifusus bastropensis** (Harris) Holotype
Harris, Acad. Nat. Sci. Phila., v. 47, Proc. 1895, p. 71, pl. 7,
fig. 2; Palmer, B.A.P., v. 7, No. 32, 1937, p. 353, pl. 48, figs.
6, 11
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
See *Fusus bastropensis* Harris
- 3112 **Falsifusus bastropensis** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 353, pl. 48, fig. 10
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3114 **Falsifusus ?houstonensis** (Johnson) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 354, pl. 48, figs. 8, 12
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3113 **Falsifusus ludovicianus** (Johnson) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 354, pl. 48, figs. 7, 13
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 20062 **Fasciolaria apicina** Dall Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 32, pl. 3, figs. 4-7
Acme, Columbus Co., N. C. Waccamaw fm., lower
Pliocene

- 20063 **Fasciolaria apicina** Dall Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 32, pl. 3, figs. 8-10
Acme, Columbus Co., N. C. Waccamaw fm., lower
Pliocene
- 3724 **?Fasciolaria calappa** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 70, pl. 4, fig. 2
Monte Grande, lat 4° 28' S.; long 81° 6' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 6055 **Fasciolaria distans** Lamarck Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 366, fig.
105
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 24150 **Fasciolaria (Pleuroploca) cf. gorgasiana** Brown and Pilsbry
Plastotype
Rutsch, Schweizer. Palaeont. Gesell., Abh., Bd. LIV u. LV,
1934, p. 74, pl. V, fig. 3
Punta Gavilan, Dist. of Zamora, State of Falcón, Ven.
Pliocene
- 21015 **Fasciolaria gorgasiana** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 105, pl. 8, fig. 9
Río Betey, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24810 **Fasciolaria hunteria** (G. Perry) Representative specimen
Perry and Schwengel, 1955, p. 170, pl. 35, fig. 238
Sanibel, Lee Co., Fla. Recent
- 24914 **Fasciolaria hunteria** (G. Perry) Hypotype
Perry and Schwengel, 1955, p. 170, pl. 53, fig. 354 (egg cap-
sules and embryonic shell)
Sanibel, Lee Co., Fla. Recent
- 3452 **Fasciolaria kindlei** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 19, pl. 5, fig. 4
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3452a **Fasciolaria kindlei** Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 21, (2 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 20825 **Fasciolaria (Cinctura) lilium** Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, pp. 77, 80, pl. 6, fig. 5
(not same specimen as fig. 3)
Campeche?, off Yucatan, Mex. Recent
- 4431 **Fasciolaria (Cinctura) lilium** Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Campeche, Yucatan, Mex. Recent
- 4432 **Fasciolaria (Cinctura) lilium** Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Campeche, Yucatan, Mex. Recent

- 4982 *Fasciolaria (Cinctura) lilium* Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Campeche, Yucatan, Mex. Recent
- 20962 *Fasciolaria (Cinctura) lilium* Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Campeche, Yucatan, Mex. Recent
- 22991 *Fasciolaria (Cinctura) lilium* Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
About 16 fms. off Campeche, Yucatan, Mex. Recent
- 22992 *Fasciolaria (Cinctura) lilium* Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Dry Tortugas, Monroe Co., Fla. Recent
- 480 *Fasciolaria (Cinctura) lilium* Fischer von Waldheim Hypotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
About 16 fms. off Campeche, Yucatan, Mex. Recent
- 5820 *Fasciolaria (Cinctura) lilium tortugana* Hollister Paratype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Dry Tortugas, Monroe Co., Fla. Recent
- 5821 *Fasciolaria (Cinctura) lilium tortugana* Hollister Paratype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80
Off Dry Tortugas, Monroe Co., Fla. Recent
- 20824 *Fasciolaria (Cinctura) lilium tortugana* Hollister Holotype
Hollister, Nautilus, v. 70, No. 3, 1957, p. 80, pl. 6, figs. 9, 10
Off Dry Tortugas to NW., Monroe Co., Fla. Recent
- 21007 *Fasciolaria macdonaldi* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 106, pl. 8, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 5923 *Fasciolaria papillosa* Sowerby Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 366, fig. 103
Sanibel I., Lee Co., Fla. Recent
- 20065 *Fasciolaria papillosa* Sowerby Hypotype
B. Smith, P. A., v. 3, No. 19, 1945, p. 33, pl. 3, figs. 14-16
W. coast of Florida Recent
- 24823 *Fasciolaria papillosa* Sowerby Representative specimen
Perry and Schwengel, 1955, p. 168, pl. 35, fig. 236
Sanibel, Lee Co., Fla. Recent
- 24913 *Fasciolaria papillosa* Sowerby Hypotype
Perry and Schwengel, 1955, p. 168, pl. 52, fig. 352a-c (egg
capsules and embryonic shell)
Sanibel, Lee Co., Fla. Recent
- 24151 *Fasciolaria (Pleuroploca) aff. papillosa* Sowerby Plastotype
Rutsch, Schweizer. Palaeont. Gesell., Abh., Bd. LIV u. LV,
1934, p. 73, pl. V, fig. 2; pl. VI, fig. 4

Punta Gavilan, Dist. of Zamora, State of Falcón, Ven.
Pliocene

- 3908 **Fasciolaria papillosa aemensis** B. Smith Holotype
Smith, B., P. A., v. 2, No. 11, 1940, p. 6, pl. 1, figs. 3, 4
Acme Fertilizer Co., opposite farm at J. W. Butler, Acme,
Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 195 **Fasciolaria ramondi** Maury Holotype
Maury, B.A.P., v. 3, No. 15, 1902, p. 66, pl. 28, fig. 1
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3110 **?Fasciolaria samsoni** Whitfield Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 336, pl. 47, fig. 9
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 4950 **Fasciolaria sechura** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 100, pl. 15, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4951 **Fasciolaria sechura** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 100, pl. 15, fig. 10
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 6054 **Fasciolaria tulipa** (Linnaeus) Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 366, fig.
104
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 20064 **Fasciolaria tulipa** (Linnaeus) Hypotype
Smith, B., P. A., v. 3, No. 19, 1945, p. 32, pl. 3, figs. 11-13
W. coast of Florida Recent
- 24809 **Fasciolaria tulipa** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 169, pl. 35, figs. 237a, b
Sanibel, Lee Co., Fla. Recent
- 21088 **Fasciolaria tulipa** (Linnaeus) "var." Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 105, pl. 13, fig. 4
Port Limon, Limon Prov., C. R. Uscari fm., lower
Miocene
- 2081 **Faunus (Pseudofaunus) bravoensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 86, pl. 15, fig. 9
Punta Bravo, Dept. of Tumbes, Peru Mancora fm.,
middle Oligocene
- 2083 **Faunus (Pseudofaunus) bravoensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 86, pl. 15, fig. 11
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
Type species of *Pseudofaunus* Olsson, 1931

- Faunus (Pseudofaunus) chiraensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 86, pl. 16, fig. 4 (missing prior to 1937)
 Chira Valley, Dept. of Piura, Peru Oligocene
- Faunus (Pseudofaunus) chiraensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 86, pl. 16, fig. 6 (missing prior to 1937)
 Chira Valley, Dept. of Piura, Peru Oligocene
- 3783 **Favia weisbordi** Wells Holotype
 Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 7, pl. 2, fig. 8
 Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen, Camagüey Prov., Cuba upper Eocene
- 5480B **?Fenestella** sp. Figured specimen
 Caster, B.A.P., v. 24, No. 83, 1939, p. 179, pl. 14, fig. 24
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5480A **?Fenestella** cf. *venezuelensis* Weisbord Hypotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 179, pl. 14, fig. 22
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 21599 **Fenestella venezuelensis** Weisbord Holotype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 7, pl. 2, figs. 2, 3
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 5895 **Fenestrellina acuta** McNair Holotype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 14, pl. 3, fig. 3
 Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5892 **Fenestrellina colombiana** McNair Holotype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 12, pl. 3, fig. 1
 Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5893 **Fenestrellina colombiana** McNair Paratype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 12, pl. 3, fig. 2
 Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5894 **Fenestrellina colombiana** McNair Paratype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 12, pl. 3, fig. 7
 Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5901 **Fenestrellina harrisi** McNair Holotype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 15, pl. 4, fig. 1

Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5902 **Fenestrellina harrisi** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 15, pl. 4, fig. 2
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5896 **Fenestrellina olssoni** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 13, pl. 3, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5897 **Fenestrellina olssoni** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 13, pl. 3, fig. 5
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5898 **Fenestrellina olssoni** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 13, pl. 3, fig. 6
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5899 **Fenestrellina quadrata** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 14, pl. 3, fig. 8 (P. R. I. 5915, pl. 5, fig. 5 on reverse side of specimen)
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5900 **Fenestrellina quadrata** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 14, pl. 3, fig. 9
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 24831 **Fenimorea moseri** Dall Representative specimen
Perry and Schwengel, 1955, p. 181, pl. 38, fig. 259
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 20619- **Ferayina coralliformis** Frizzell Paratypes
20624 Frizzell, Jour. Pal., v. 23, No. 5, 1949, p. 483, text figs. 1-4, 19;
Marks, Micropal., v. 6, No. 4, 1952, p. 36
Rt. bank of Colorado R., Smithville, about 0.1 mi. W. of old bridge, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2986 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, figs. 8, 9
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene

- 2987 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, figs. 10, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2988 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, fig. 11
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2989 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2990 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2991 **Ficopsis penita** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 33, fig. 15
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2992 **Ficopsis texana** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 257, pl. 34, fig. 15
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2993 **Ficopsis texana** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 257, pl. 34, fig. 16
(described as fig. 19 in pl. expl.)
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2294 **Ficopsis texana** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 257, pl. 34, fig. 18
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2295 **Ficopsis texana** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 257, pl. 34, fig. 17
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 1398 **Ficus affinis** Van Winkle Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 8, pl. 1,
figs. 10, 10a
Palmer, B.A.P., v. 7, No. 32, 1937, p. 255, pl. 34, figs. 12, 13
James R., just below City Point, Prince George Co., Va.
Nanjemoy fm., lower Eocene
- 2113 **Ficus chiraensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 97, pl. 18, fig. 10
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru
Chira fm., lower Oligocene

- 2115 **Ficus chiraensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 97, pl. 18, fig. 12
Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 24781 **Ficus communis** Roeding Representative specimen
Perry and Schwengel, 1955, p. 149, pl. 29, fig. 209
Sanibel, Lee Co., Fla. Recent
- 24899 **Ficus communis** Roeding Hypotype
Perry and Schwengel, 1955, p. 150, pl. 49, figs. 337a, b, c (egg capsule)
Sanibel, Lee Co., Fla. Recent
- 4646 **Ficus filia** (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 323, pl. 43, figs. 9, 10
Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 1898 **Ficus (Fulguroficus) harrisi** Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 29, pl. 7, figs. 1, 2
Cliffs N. of mouth of Luculo R., Quimbriz, Angola (loc. S1)
Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 4643 **Ficus merita** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 326, pl. 43, fig. 4
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4644 **Ficus merita** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 326, pl. 43, fig. 5
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4645 **Ficus merita** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 326, pl. 43, fig. 6
About 1 mi. back of Bunker Hill, Ouachita R., Caldwell, Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4642 **Ficus mississippiensis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 322, pl. 43, figs. 2, 3
Vicksburg, Warren Co., Miss. Vicksburg gr., middle Oligocene
- 6052 **Ficus papyratia** Say Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 362, fig. 81
Casa Ybel, Sanibel I., Lee Co., Fla. Recent

- 1845 **Ficus (Ficula) roscheni** Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 1-3
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1846 **Ficus (Ficula) roscheni** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 28,
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1847 **Ficus (Ficula) roscheni** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 28,
Just N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1 or S
2) Quimbriz fm., Eocene [Miocene, Darteville and
Roger, 1954]
- 2111 **Ficus woodringi** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 98, pl. 18, fig. 8
Caletto Mero, Dept. of Tumbes, Peru basal Caletto Mero
shales, Heath fm., upper Oligocene
- 115 **Fissurella mediavia** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 121, pl. 12, figs. 26, 26a
One and one-half mi. SW. of Palmer's Mill, Smith's bridge on
Camden Rd., 5 mi. W. of Snow Hill, Wilcox Co., Ala.
Midway gr., Paleocene
- 1103 **Fissuridea alternata** (Say) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 249, pl. 43, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 21727 **Fissurina romettensis** Seguenza Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 9, pl. 3, fig. 14
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 5887 **?Fistulipora anomala** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 11, pl. 2, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5888 **?Fistulipora delicata** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 11, pl. 2, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian
- 5885 **Fistulipora megalopora** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 10, pl. 2, fig. 1
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian

- 22689 **Flabellamina alexandri** Cushman Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 126 (S-847)
W. side of rd., 20.2 mi. N. of city limits of Del Rio at a pt.
6 mi. S. of junc. of Del Rio-Sonora highway and Del Rio junc.
highway, Val Verde Co., Tex. Del Rio fm., Washita gr.,
Lower Cretaceous
- 22692 **Flabellamina alexandri** Cushman Hypotype
Plummer, Univ. Tex. Bull. 1301, 1931, p. 126, (S-848)
NW. 3¼ mi. of capitol, Austin, Travis Co., Tex. Walnut
fm., Fredericksburg gr., middle Comanche series, Lower
Cretaceous
- 22684a-c **Flabellina interpunctata** von der Marck Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 163, pl. 12, figs. 1-3
(S-804.1-.3)
From abandoned roadside excavation 2.1 mi. W. of Main St.,
Taylor, Williamson Co., Tex. Taylor gr., Campanian,
Upper Cretaceous
- 22685a-c **Flabellina projecta** (Carsey) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 165, pl. 12, figs. 6-8
(S-805.1-.3)
From abandoned roadside excavation 2.1 mi. W. of Main St.,
Taylor, Williamson Co., Tex. Taylor gr., Campanian,
Upper Cretaceous
- 22686 **Flabellina rugosa** d'Orbigny Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 166, pl. 12, fig. 4
(S-806)
Rd. cut at E. end of long bridge over Walnut Cr., and M.K.T.
R.R., 6.7 rd. mi. NE. of East Ave. and Manor Rd., Austin,
Travis Co., Tex. Taylor gr., Campanian, Upper Creta-
ceous
- 21353 **Frondicularia alata** d'Orbigny Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 8, pl. 1, fig. 13
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45'
N.; long 82° 50' W., Limon Prov., C. R. Uscari sh.,
lower Miocene
- 20672 **Frondicularia christneri** Carsey Holotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 41, pl. 6, fig. 7 (lost
prior to 1931)
Rd. cut at E. end of long bridge over Walnut Cr., and M.K.T.
R.R., 6.7 rd. mi. NE. of East Ave. and Manor Rd., Austin,
Travis Co., Tex. Taylor gr., Campanian, Upper Creta-
ceous
See *Kyphopyxa christneri* (Carsey)
- 20673- **Frondicularia christneria** Carsey
- 20699 See *Kyphopyxa christneri* (Carsey)
- 22687 **Frondicularia clarki** Baggs Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 171, pl. 9, fig. 17
(S-812)

Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous

- 25203 *Fronicularia cuspidata* Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 23
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt, Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 25204 *Fronicularia lanceola* Reuss Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 23
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 22675 *Fronicularia reticulata* (Reuss) Hypotype
Plummer, Univ. Tex. Bull. 2644, 1927, p. 39, p. 172, pl. 2, fig. 5 (S-1026; not in Walker Mus. as on p. 172)
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25404 *Fronicularia sagittula cojimarensis* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 285, pl. 53, fig. 8 [D.K.P. slide 191.9-26 (5) megalospheric] (missing prior to 1958)
S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25405 *Fronicularia sagittula cojimarensis* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 285, pl. 53, fig. 7 [D.K.P. slide 191.9-26 (13) microspheric form] (missing prior to 1958)
S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25406 *Fronicularia sagittula yumuriana* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 286, pl. 53, fig. 2 [D.K.P. slide 191.9-26 (7)] (missing prior to 1958)
NW. end of Yumurí Gorge, Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25407 *Fronicularia sagittula yumuriana* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 286, pl. 53, fig. 1 [D.K.P. slide 191.9-26 (8)] (missing prior to 1958)
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21358 *Fronicularia* sp. Figured specimen
Palmer, B.A.P., v. 10, No. 40, 1923, p. 8, pl. 2, fig. 5
MacDonald Cr., 7 mi. S. Guabito*, lat 9° 25' N.; long 82° 40' W., Bocas del Toro Prov., Pan. Oligocene

- 4373 **Fulgur canaliculatum** Say Hypotype
Smith, B., Acad. Nat. Sci. Phila., Proc. for 1905, 1906, p. 361,
pl. 31, fig. 9 = *Busycon canaliculatum* (Say)
Atlantic City, Atlantic Co., N. J. Recent
- 25364 **Fulgur [Busycon] coronatum** Conrad Hypotype
Smith, B., Acad. Nat. Sci. Phila., Proc. for 1914, 1915, p. 578,
pl. 24, figs. 1, 1a
St. Marys R., St. Marys Co., Md. St. Marys fm., middle
Miocene
- 25365 **Fulgur [Busycon] rugosum** Conrad Hypotype
Smith, B., Acad. Nat. Sci. Phila., Proc. for 1914, 1915, p. 578,
pl. 24, figs. 2, 2a
St. Marys R., St. Marys Co., Md. St. Marys fm., middle
Miocene
- 282 **Fulguroficus triserialis** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 67, pl. 8, fig. 17
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 3249 **Fusimitra adamsi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 407, pl. 66, fig. 11
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3250 **Fusimitra adamsi** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 407
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 4762 **Fusimitra conquisita** (Conrad) Hypotype
[= *F. millingtoni* (Wailes)]
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
pl. 55, fig. 1
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4763 **Fusimitra conquisita** (Conrad) Hypotype
[= *F. millingtoni* (Wailes)]
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
pl. 55, fig. 3
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4764 **Fusimitra conquisita** (Conrad) Hypotype
[= *F. millingtoni* (Wailes)]
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
pl. 55, fig. 5
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La. (not
Jackson, Miss. as in expl. of pl.) Moody's Branch fm.,
lower Jackson gr., upper Eocene
- 4765 **Fusimitra conquisita** (Conrad) Hypotype
[= *F. millingtoni* (Wailes)]
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
pl. 55, fig. 11

Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene

- 4766 **Fusimitra conquisita** (Conrad) Hypotype
 [= *F. millingtoni* (Wailes)]
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
 pl. 55, fig. 4
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4767 **Fusimitra conquisita** (Conrad) Hypotype
 [= *F. millingtoni* (Wailes)]
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
 pl. 55, fig. 2
 One half mi. below Gibson Ldg., Ouachita R., Caldwell Par.,
 La. Moodys Branch fm., lower Jackson gr., upper
 Eocene
- 4768 **Fusimitra conquisita** (Conrad) Hypotype
 [= *F. millingtoni* (Wailes)]
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
 pl. 55, fig. 6
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4769 **Fusimitra conquisita** (Conrad) Hypotype
 [= *F. millingtoni* (Wailes)]
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
 pl. 55, fig. 7
 Vicksburg, Warren Co., Miss. Vicksburg gr., middle
 Oligocene
- 4770 **Fusimitra conquisita** (Conrad) Hypotype
 [= *F. millingtoni* (Wailes)]
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 399,
 pl. 55, fig. 9
 Town Creek, Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 3247 **Fusimitra perexilis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 405, pl. 66, figs. 7, 8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3248 **Fusimitra perexilis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 405, pl. 66, fig. 16
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3255 **Fusimitra polita** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 407, pl. 66, figs. 17, 18
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 4952 **?Fusinus corbis** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 101, pl. 9, fig. 15
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian

- 20317 **Fusinus exilis** (Conrad) Hypotype
Smith, B., P. A., v. 3, No. 21, 1946, p. 9, pl. 1, figs. 12, 13
W. end Fort Boykin Bluffs, Burwell Bay, James R., 3½ statute
mi. SE. of Rushmere near Morgarts Beach, Isle of Wight Co.,
Va. Yorktown fm., upper Miocene
- 4706 **Fusinus insectoides** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 385,
pl. 49, fig. 4
Montgomery, ½ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4707 **Fusinus insectoides** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 385,
pl. 49, fig. 5
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4050 **Fusinus mellisus** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 65, pl. 9, fig. 7
Quebrada Mellisa, 11 km. S. of Puerto Armuelles, Chiriquí
Prov., Pan. Charco Azul fm., Pliocene
- 20134 **Fusinus** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No.
4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo,
St. of Zulia, Ven. Las Flores fm., upper Eocene
- 20484 **Fusiturricula delgada** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 127, pl. 8, fig. 7
Near Las Mases, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20485 **Fusiturricula delgada** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 127, pl. 8, fig. 4
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20486 **Fusiturricula delgada** Marks Paratypes
Marks, B.A. P., v. 33, No. 139, 1951, p. 127
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 4037 **Fusiturricula woodringi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 53, pl. 7, fig. 2
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 24176 **Fusiturricula yasila** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 35, pl. 3, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 1414 **Fusoficula angelinensis** Harris Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 18, pl. 2,
fig. 15 (natural mould and gutta percha cast); Palmer, B.A.P.,
v. 7, No. 32, 1937, pp. 258, 485, pl. 34, fig. 6; Harris and

Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 327, pl. 42, fig. 3
 Angelina R., 2 mi. above Marion, Angelina Co., Tex.
 Claiborne gr., middle Eocene

- 281 **Fusoficula juvenis** (Whitfield) Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 66, pl. 8, fig. 15;
 Harris, La. Geol. Surv. Rpt., 1899, p. 307, pl. 55, fig. 2
 Greggs Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 1378 **Fusoficula juvenis** (Whitfield) Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 66, pl. 8, fig. 16; Harris,
 La. Geol. Surv. Rpt., 1899, p. 307, pl. 55, fig. 3
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 20625- **Fusulina inconspicua** Girty Syntypes
 20627 Girty, N. Y. Acad. Sci. Ann. v. 21, 1911, p. 120; U.S. Geol.
 Surv. Bull. 544, 1915, p. 15, pl. 1, figs. 1-3; Marks, Micropal.,
 v. 6, No. 4, 1952, p. 36
 SW. corner of Sec. 32, T. 5 N., R. 8 E., Coalgate Quad., Okla.
 Wewoka sh., Middle Pennsylvanian
 See *Fusulinella inconspicua* (Girty), Marks, Micropal., v. 6,
 No. 4, 1952, p. 36
- 20625- **Fusulinella inconspicua** (Girty) see *Fusulina inconspicua* Girty
 20627
- 25008 **Fusus (Levifusus) angolensis** H. Douvillé Hypotype
 Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v.
 35, 1954, p. 41
 One-half km. SE. of Rock Bluff, ?15 km. S. of Luanda Fort,
 Angola Miocene
- 2356 **Fusus bastropensis** Harris Holotype
 Harris, Acad. Nat. Sci. Phila., v. 47, Proc. 1895, p. 71, pl. 7,
 fig. 2
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
 See *Falsifusus bastropensis* (Harris)
- Fusus (Buccinofusus) harrisi** Aldrich Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 43, pl. 5, fig. 7 (lost prior
 to 1937)
 Greggs Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 21012 **Fusus honensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 104, pl. 8, fig. 6
 Hone Walk Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 103 **Fusus hubbardanus** Harris Syntype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 87, pl. 8, fig. 10
 One-half mi. N. of Ripley, Tippah Co., Miss. Midway
 gr., Paleocene
- 104 **Fusus hubbardanus** Harris Syntype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 87, pl. 8, fig. 11

- One-half mi. N. of Ripley, Tippah Co., Miss. Midway
gr., Paleocene
- 247 **Fusus interstriatus** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 40, pl. 5, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 248 **Fusus interstriatus** Heilprin "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 40, pl. 5, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 105 **Fusus meyeri** Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 87, pl. 8, fig. 12
One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Midway gr., Paleocene
- 21011 **Fusus miocosmius** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 103, pl. 8, fig. 5
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 107 **Fusus mohri** Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 89, pl. 8, fig. 15
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 102 **Fusus quercollis** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 86, pl. 8, fig. 9
One mi. W. of Oak Hill P.O., Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 1049 **Fusus springvalensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 206, pl. 35, fig. 11
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 249 **Fusus subtenuis** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 42, pl. 5, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 106 **Fusus (Latirus) tortilis** Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 89, pl. 8, fig. 14
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 21336 **Gafrarium altum costaricense** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 234, pl. 32, fig. 19; Palmer,
P. A., v. 1, No. 5, 1927, p. 101, pl. 21, fig. 14 in subgenus
Gouldia Estrella R., Limon Prov., C. R. Gatun fm.,
middle Miocene

- 21339 **Gafrarium altum costaricense** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 234, pl. 32, fig. 22
Middle Creeek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24660 **Gafrarium cerina** C. B. Adams Representative specimen
Perry and Schwengel, 1955, p. 71, pl. 13, fig. 80
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 21335 **Gafrarium limonense** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 233, pl. 32, fig. 18; Palmer
P. A., v. 1, No. 5, 1927, p. 102, pl. 21, fig. 2 in subgenus *Gouldia*
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 1687 **Gafrarium (Gouldia) metastriatum** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 100, pl. 21, fig. 7a
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 4637 **Galeodea petersoni** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 329,
pl. 42, fig. 6
Garland Cr., 2-3 mi. S. of bridge site, Clarke Co., Miss.
lower Jackson gr., upper Eocene
- 2970 **Galeodea planotecta** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 252, pl. 31, figs. 14, 17
Columbus, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4641 **Galeodea planotecta jacksonia** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 331,
pl. 42, fig. 14
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 1204 **Gari eborea** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, fig. 8; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 97, pl. 21,
fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Psammodia eborea* Conrad
- 4353 **Gari jacksonense** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 97,
pl. 21, fig. 12
Montgomery Ldg., Red. R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4354 **Gari jacksonense** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 97,
pl. 21, fig. 13
Montgomery Ldg., Red. R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4356 **Gari jacksonense** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 97,
pl. 21, fig. 14

Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene

- 4355 **Gari ozarkanum** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 98,
pl. 21, fig. 13a (lost prior to 1957)
Exact locality unknown, Ala. Wilcox [Sabine] fm.,
lower Eocene
- 24990 **Gastrana fragilis** (Linnaeus) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 67, pl. 4, fig. 1
Sea Cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 80 **Gastrochaena cimitariopsis** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 70, pl. 6, fig. 13
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 78 **Gastrochaena gainesensis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 70, pl. 6, fig. 12
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 79 **Gastrochaena gainesensis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 70, pl. 6, fig. 12a
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 4428 **Gastrochaena mississippiensis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 120,
pl. 25, figs. 7, 9, 11
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4429 **Gastrochaena mississippiensis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 120,
pl. 25, figs. 8, 10 left valve
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 24703 **Gastrochaena ovata** Sowerby Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 86, pl. 19, figs. 123 a, b;
Perry and Schwengel, 1955, p. 93, pl. 19, figs. 123a, b
Sanibel, Lee Co., Fla. Recent
- 81 **Gastrochaena** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, pl. 6, fig. 14
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 24880 **Gastrochaena stimpsonii** (Tryon) Hypotype
Perry and Schwengel, 1955, p. 93, pl. 44, figs. 311a, b
Sanibel, Lee Co., Fla. Recent
- 25087 **Gaudryina asiphonia** Andreae Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 8, pl. 1, fig. 6
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene

- 25378 **Gaudryina cf. (Pseudogaudryina) atlantica** (Bailey) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 118, pl. 17, figs. 11, 12 [D.K.P. slide 191.9-18 (4)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E.
of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]
- 21639 **Gaudryina gaudryinoides** (Fornasini) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 13, pl. 2, fig. 29
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 22660 **Gaudryina gradata** Berthelin Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 136, pl. 8, fig. 12
(S-777)
Rt. bank Shoal Cr. at W. end of 34th St. bridge in Austin,
Travis Co., Tex. Del Rio fm., Washita gr., Lower
Cretaceous
- 25309 **Gaudryina koimetercola** Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 3
Glass Bayou, Nat. Park Cemetery, Vicksburg, Warren Co.,
Miss. Vicksburg gr., middle Oligocene
- 20628 **Gaudryina (Siphogaudryina) rectiangula** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 14, pl. 5, fig. 4; Marks, Micropal., v. 6, No. 4, 1952,
p. 36
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-X 2A-2B) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22659 **Gaudryina rugosa** (d'Orbigny) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 135, pl. 8, fig. 11
(S-776)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E.
of bridge at Jones' Crossing*, Travis Co., Tex. Corsi-
cana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 20629 **Gaudryinella delrioensis** Plummer Holotype
Plummer, Amer. Midl. Nat., v. 12, No. 9, 1931, p. 341, text fig.
1a; Marks, Micropal., v. 6, No. 4, 1952, p. 36
Rt. bank Shoal Cr., at W. end of 34th St. bridge, Austin, Travis
Co., Tex. Del Rio fm., Washita gr., Lower Cretaceous
- 20630 **Gaudryinella delrioensis** Plummer Paratype
Plummer, Amer. Midl. Nat., v. 12, No. 9, 1931, p. 341, text fig.
1b; Marks, Micropal., v. 6, No. 4, 1952, p. 36
Rt. bank Shoal Cr., at W. end of 34th St. bridge, Austin, Travis
Co., Tex. Del Rio fm., Washita gr., Lower Cretaceous
- 20630a **Gaudryinella delrioensis** Plummer Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 138, pl. 9, fig. 13 (heau-
totype, p. 138); not in Marks, Micropal., v. 6, No. 4, 1952

Rt. bank Shoal Cr., at W. end of 34th St. bridge, Austin, Travis Co., Tex. Del Rio fm., Washita gr., Lower Cretaceous

- 25336 *Gemma gemma* Totten Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 3
Provincetown Inn Cove, Provincetown, Barnstable Co., Mass.
Recent
- 1197 *Gemma sanctimauricensis* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 152, pl. 47, figs. 14, 15
Sabine R., ? La. (See Veatch Survey, 1902, p. 129)
probably Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2388 *Gemmula alternata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2389 *Gemmula alternata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 20
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2390 *Gemmula alternata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 21
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2391 *Gemmula alternata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 23 (missing
prior to 1955)
W. of Decatur, Newton Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- Gemmula alternata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 22 (not de-
posited in 1937)
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2373 *Gemmula amica* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 13, pl. 1, fig. 27
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 2374 *Gemmula amica* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 13, pl. 1, fig. 28
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 4447 *Gemmula* (Coronia) *amica* Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 420,
pl. 58, fig. 1
Sour Lake, oil well depth 1500 ft., Hardin Co., Tex.
Exact horizon unknown Oligocene
- 2375 *Gemmula ancilla* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 13, pl. 1, fig. 31

- Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 2378 **Gemmula carodenta** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 5
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- Gemmula carodenta** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 4 (not deposited
in 1937)
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2400 **?Gemmula easteri** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 20, pl. 3, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2365 **Gemmula childreni** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 11, pl. 1, figs. 15, 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2366 **Gemmula childreni** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 11, pl. 1, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2367 **Gemmula childreni** (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 11, pl. 1, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4443 **Gemmula (Coronia) childreni** (Lea) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 12
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4444 **Gemmula (Coronia) childreni** (Lea) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 14
Crow Cr., St. Francis Co., Ark. lower Jackson gr., upper
Eocene
- 4446 **Gemmula (Coronia) childreni** (Lea) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 420,
pl. 57, fig. 16
Bayou Toro, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 6, T. 3 N., R. 11 W., (Harris and
Veatch Survey, 1899), Vernon Par. La. lower Jackson
gr., upper Eocene
- 2370 **Gemmula childreni acutirostra** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4445 **Gemmula (Coronia) childreni conjuncta** Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 420,
pl. 57, fig. 15
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2371 **Gemmula childreni montgomeryensis** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 25; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 420, pl. 57, fig. 17
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2369 **Gemmula childreni novoppidi** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 20
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2368 **Gemmula childreni novoppidi** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 19
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2372a **Gemmula ?conjuncta** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 24
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2372b **Gemmula ?conjuncta** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 12, pl. 1, fig. 24a
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2379 **Gemmula coraliger** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 6
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2382 **Gemmula genitiva** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 15, pl. 2, fig. 12
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2383 **Gemmula genitiva** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 15, pl. 2, fig. 13
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 4448 **Gemmula (Coronia) genitiva** Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 421,
pl. 58, fig. 2
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2381 **Gemmula lancea** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 15, pl. 2, fig. 10

- Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2362 *Gemmula lerchi* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 10, pl. 1, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2363 *Gemmula lerchi* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 10, pl. 1, fig. 13
Near Columbus, Sabine Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2395 *Gemmula ludocarcia* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 17, pl. 3, fig. 2
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 4449 *Gemmula* (*Coronia*?) *Indonorma* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 421,
pl. 58, fig. 8
Myatt [Wyant] Bluff, Ouachita R., Caldwell Par., La.
Yazoo cl., upper Jackson gr., upper Eocene
- 2392 *Gemmula ludoviciana* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 17, pl. 2, fig. 24
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2393 *Gemmula ludoviciana* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 17, pl. 2, fig. 25
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2394 *Gemmula ludoviciana* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 17, pl. 2, fig. 26
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2396 *Gemmula ludoviciana normani* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 17, pl. 3, fig. 3; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 423, pl. 58, fig. 6
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2384 *Gemmula margaritosa* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 15
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2385 *Gemmula margaritosa* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 16
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2386 *Gemmula margaritosa* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 17
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene

- 2387 *Gemmula margaritosa* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 16, pl. 2, fig. 18
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4438 *Gemmula (Coronia) nodulina* Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4439 *Gemmula (Coronia) nodulina* Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4440 *Gemmula (Coronia) nodulina* Casey Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 8
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4437 *Gemmula (Coronia) nodulina* Casey "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 5
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2376a *Gemmula nodulina bunkerensis* Harris Holotype
Harris P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 1; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419, pl. 57, fig. 4a
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 2376b *Gemmula nodulina bunkerensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 2; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419, pl. 57, fig. 4
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4436 *Gemmula (Coronia) nodulina bunkerensis* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 3
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4441 *Gemmula (Coronia) nodulina ouachitensis* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 9
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4442 *Gemmula (Coronia) nodulina ouachitensis* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 419,
pl. 57, fig. 10
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene

- 2398 **Gemmula ouachitensis** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 18, pl. 3, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2399a **Gemmula ouachitensis** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 18, pl. 3, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2399b **Gemmula ouachitensis** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 18, pl. 3, fig. 8
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2399c **Gemmula ouachitensis** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 18, pl. 3, fig. 9
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4435 **Gemmula (?) plentopsis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 417,
pl. 58, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2364 **Gemmula sublerchi** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 11, pl. 1, fig. 14
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2377 **Gemmula tenella** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 14, pl. 2, fig. 3
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2397 **Gemmula wateletella** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 18, pl. 3, fig. 5
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene
- 2380 **Gemmula weisbordi** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 15, pl. 2, fig. 7; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 421, pl. 58, fig. 9
(missing prior to 1955)
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- Gemmula weisbordi** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 15, pl. 2, fig. 8 (not deposited
in 1937)
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 24193 **Genotia peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 36, pl. 4, fig. 1
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24194 **Genotia peruviana** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 36, pl. 4, fig. 2
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 4845 **Gervillia incertans** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 38, pl. 6, fig. 4
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 22891 **Gisortia harrisi** Palmer Holotype
 Palmer, Pal. Soc. India, v. 2, 1957, p. 71, pl. 9, figs. 1-3 (not
 25222 as in expl. of pl.)
 Dixie Lime Products Co., Reddick, Marion Co., Fla.
 Crystal R. ls., Ocala gr., upper Eocene
- 24241 **Gisortia thomasi** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 64, pl. 8, figs. 1, 2, 7
 Cabo Blanco, Dept. of Piura, Peru Pale Greda fm.,
 middle Eocene
- 21645 **Glandulina radícula** (Linnaeus) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 17, pl. 3, figs. 6, 7
 Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 4918 **Glauconia cordalis** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 79, pl. 15, fig. 13
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 21691 **Globigerina apertura** Cushman Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 32
 Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 4853 **Globigerina bakeri** Cole Paratype and 5 unfigured paratypes
 Cole, B.A.P., v. 14, No. 51, 1927, p. 33, pl. 4, fig. 13
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21663 **Globigerina bakeri** Cole Lectotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 33, pl. 4, fig. 12. (Holotype
 and paratypes originally not segregated. Lectotype designated
 by Loeblich, 1955, 1959, pers. com.)
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 25096 **Globigerina bulloides** d'Orbigny Hypotype
 Hadley, B.A.P., v. 20, No. 70A, 1934, p. 24, pl. 1, fig. 16
 Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
 Piñar del Río Prov., Cuba Oligocene
- 25230 **Globigerina bulloides** d'Orbigny Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 35

Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
 Hornerstown fm., Eocene

- 21700a *Globigerina cerroazulensis*† Cole Holotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17, pl. 1, figs. 11, 12
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21700b *Globigerina cerroazulensis*† Cole Paratype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17, pl. 1, fig. 13
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 25231 *Globigerina cretacea* d'Orbigny Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 35
 N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
 Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
 Cretaceous
- 20631 *Globigerina decepta* Martin Paratype
 Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
 1943, p. 24, pl. 7, fig. 2; Marks, Micropal., v. 6, No. 4, 1952, p. 36
 Lodo Gulch, NE, $\frac{1}{4}$ Sec. 29, NW, $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
 (I-S 7-119) Mt. Diablo baseline and meridian, Panoche Quad-
 rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 21708 *Globigerina eocaena* Gümbel Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17, pl. 1, fig. 20
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21704 *Globigerina eocaenica* Terquem Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17, pl. 1, fig. 10
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21728 *Globigerina eocaenica* Terquem Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17, pl. 3, fig. 8
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21669 *Globigerina inflata* d'Orbigny Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 33, pl. 4, fig. 19
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21743 *Globigerina inflata* d'Orbigny Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 17
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21719 *Globigerina mexicana* Cushman Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 18, pl. 2, fig. 11
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 20632 *Globigerina nitida* Martin Paratype
 Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
 1943, p. 25, pl. 7, fig. 1; Marks, Micropal., v. 6, No. 4, 1952, p. 36

Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 7-47) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene

- 21675 **Globigerina orbiformis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 33, pl. 5, fig. 7
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 22678 **Globigerina rosetta** Carsey Hypotype
Plummer, Univ. Tex. Bull. 2644, 1927, p. 36, p. 172, pl. 2, fig. 9
(S-1030; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam
Co., Tex. Kemp cl., Navarro gr., Maestrichtian, Upper
Cretaceous
- 20739- **Globigerina rugosa** Plummer Syntypes
20742 Plummer, Univ. Tex. Bull. 2644, 1927, p. 172, pl. 2, figs. 10a-d
(not so listed in Marks, Micropal., v. 6, No. 4, 1952) (not in
Walker Museum as indicated on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam
Co., Tex. Kemp cl., Navarro gr., Maestrichtian, Upper
Cretaceous
See *Rugoglobigerina rugosa* (Plummer)
- 32701 **Globigerina rugosa** Plummer Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 194 (S-836)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E.
of bridge at Jones' Crossing*, Travis Co., Tex. Corsi-
cana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 22397 **Globigerina** sp. form A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 362, pl. 52, figs. 1a-c
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22398 **Globigerina** sp. form A Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 362
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene
- 22399 **Globigerina** sp. form A Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 362
Powells Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22400 **Globigerina** sp. form A Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 362
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22401 **Globigerina** sp. form B Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 363
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22402 **Globigerina** sp. form B Figured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 363, pl. 52, figs. 2a-c

Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22403 *Globigerina* sp. form C Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 363, pl. 52, figs. 3a-c
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22404 *Globigerina* sp. form D Figured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 364, pl. 52, figs. 4a-c
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22405 *Globigerina* sp. form E Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 364
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22406 *Globigerina* sp. form E Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 364
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22407 *Globigerina* sp. form E Figured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 364, pl. 53, figs. 1a-c
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22408 *Globigerina* sp. form E Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 364
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 21692 *Globigerina topilensis* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 33
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 20633 *Globigerina washitensis* Carsey Neotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 44, pl. 7, fig. 10; pl. 8, fig. 2; Plummer, Univ. Tex. Bull. No. 3101, 1931, p. 193, pl. 13, fig. 12; Marks, Micropal. v. 6, No. 4, 1952, p. 36
Rt. bank of Shoal Cr., at W. end 34th St. bridge, Austin, Travis Co., Tex. Del Rio fm., Washita gr., Lower Cretaceous
- 21661a *Globigerina wilsoni* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 34, pl. 4, fig. 8
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21661b *Globigerina wilsoni* Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 34, pl. 4, fig. 9
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 25232 *Globigerinella aspera* (Ehrenberg) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 36
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 25233 *Globigerinella voluta* (White) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 36
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 22409 *Globigerinoides* (?) sp. form F Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 364, pl. 53, figs. 4a-c
Ft. Eustis Well, 37-101 ft. deep, City of Warwick (no Co.), SE.
Va. Yorktown fm., upper Miocene
- 22410 *Globigerinoides* sp. form G Figured specimens
McLean, B.A.P., v. 36, No. 160, 1956, p. 365, pl. 53, figs. 2a-c
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 21611 *Globorotalia crassata* (Cushman) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 34, pl. 1, figs. 7, 8
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21690 *Globorotalia crassata densa* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 34
Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 20634 *Globorotalia delrioensis* Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 199, pl. 13, fig. 2;
Marks, Micropal., v. 6, No. 4, 1952, p. 36
Rt. bank of Shoal Cr., at W. end of 34th St. bridge, Austin,
Travis Co., Tex. Del Rio fm., Washita gr., Lower
Cretaceous
- 25462 *Globorotalia* cf. *fohsi* Cushman and Ellis Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 291, pl. 29, figs. 3a-c [D.K.P. slide 191.9-18 (97)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligo-
cene [Miocene, Cole, 1958, p. 222]
- 20635 *Globorotalia marksii* Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 25, pl. 8, fig. 1; Marks, Micropal., v. 6, No. 4, 1952, p. 36
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15, S., R. 13 E.,
(I-S 6+11) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 25463 *Globorotalia* cf. *mayeri* Cushman and Ellis Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 292, pl. 28, figs. 5a-c [D.K.P. slide 191.9-18 (77)]

Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25124 **Globorotalia menardii** (d'Orbigny) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 25, pl. 3, figs. 12, 13
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 20047 **Globorotalia menardii miocenica** D. K. Palmer Holotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 70, pl. 1, figs. 10a-c
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 20636 **Globorotalia naussi** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 26, pl. 8, fig. 3; Marks, Micropal., v. 6, No. 4, 1952, p. 36
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., (I-S 4+8) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20637 **Globorotalia nicoli** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 27, pl. 7, fig. 3; Marks, Micropal., v. 6, No. 4, 1952, p. 37
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. (I-S4+8) Lodo fm., Paleocene-Eocene
- 20638 **Globorotalia rex** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 27, pl. 8, fig. 2; Marks, Micropal., v. 6, No. 4, 1952, p. 37
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., (I-S 2+48) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 22413 **Globorotalia** sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 365, pl. 48, figs. 6a-c
Moore House Beach, base of bank, York Co., Va. Yorktown fm., upper Miocene
- 21626 **Globorotalia spinulosa** Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 34, pl. 2, fig. 9
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25235 **Globotruncana arca** (Cushman) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 37
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 25460 **Globotruncana** cf. **arca** (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941 p. 290, pl. 29, figs. 1a-c [D.K.P. slide 191.9-18 (99)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 32702a-c *Globotruncana arca* (Cushman) Hypotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 195, pl. 13, figs. 7-9
 (S-837.1-3)
 Rt. bank Onion Cr. near bridge at Moore and Berry's Crossing,
 8.5 mi. SE. of capitol in Austin, Travis Co., Tex. Taylor
 gr., Campanian, Upper Cretaceous
- 20854 *Globotruncana arca caribica* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 64, pl. 5, figs. 5a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20830 *Globotruncana* (*Rugoglobigerina*) *beldingi beldingi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 31, pl. 1, figs. 8a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20829 *Globotruncana* (*Rugoglobigerina*) *beldingi subbeldingi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 32, pl. 1, figs. 7a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20853 *Globotruncana bollii* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 62, pl. 5, figs. 1a-c
 César Valley, Río Molino, 200 km. NE. of Villanueva, Dept.
 of Magdalena, Col. Colon sh., Upper Cretaceous
- 20832 *Globotruncana bulloides naussi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 34, pl. 1, figs. 13a-c
 Papayal Well No. 1, depth 210-215 ft., 300 km. NNE., Fonseca,
 Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20841 *Globotruncana calciformis sarmientoi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 47, pl. 3, figs. 3a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 22840 *Globotruncana calciformis trinidadensis* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 47, pl. 3, figs. 2a-c
 Papayal Well No. 1, depth 210-215 ft., 300 km. NNE. Fonseca,
 Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 22703 *Globotruncana canaliculata ventricosa* White Hypotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 199, pl. 13, fig. 10
 (S-840)
 Rt. bank Onion Cr. near bridge at Moore and Berry's Crossing,
 8.5 mi. SE. of capitol in Austin, Travis Co., Tex. Taylor
 gr., Campanian, Upper Cretaceous
- 20837 *Globotruncana* (*Rugoglobigerina*) *circumnodifer subcircumnodifer* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 44, pl. 2, figs. 8a-c

- Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20850 *Globotruncana contusa contusa* (Cushman) Hypotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 53, pl. 4, figs. 3a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20849 *Globotruncana contusa patelliformis* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 54, pl. 4, figs. 2a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20848 *Globotruncana contusa scutilla* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 54, pl. 4, figs. 1a-c
César Valley, Río Manauare, 100 km. ESE. of La Paz, Dept. of
Magdalena, Col. Manauare sh., Upper Cretaceous
- 20852 *Globotruncana* aff. *cretacea* Cushman Hypotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 62, pl. 4, figs. 7a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20639 *Globotruncana fornicata* Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 198, pl. 13, fig. 4;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
ing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 20640- *Globotruncana fornicata* Plummer Paratypes
20641 Plummer, Univ. Tex. Bull. 3101, 1931, p. 198, pl. 13, figs. 5, 6;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Rt. bank of Onion Cr., near bridge at Moore and Berry's Cross-
ing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 25234 *Globotruncana fornicata* Plummer Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 37
Nutt's Farm, on Crosswick's Cr. 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 20836 *Globotruncana fornicata ackermanni* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 42, pl. 2, figs. 5a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20838 *Globotruncana fornicata cesarensis* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 45, pl. 2, figs. 10a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous

- 20834 *Globotruncana fornicata manaurensis* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 41, pl. 2, figs. 1a-c
César Valley, Río Manaure, 100 km. ESE. of La Paz, Dept. of
Magdalena, Col. Manaure sh., Upper Cretaceous
- 20835 *Globotruncana fornicata plummerae* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 42, pl. 2, figs. 3a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20845 *Globotruncana (Rugoglobigerina) glaessneri glaessneri*
Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 50, pl. 3, figs. 10a-c
Papayal Well No. 1, depth 110-115 ft., 300 km. NNE., Fonseca,
Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20844 *Globotruncana (Rugoglobigerina) glaessneri subglaessneri*
Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 51, pl. 3, figs. 9a-c
Papayal Well No. 1, depth 210-215 ft., 300 km. NNE., Fonseca,
Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20859 *Globotruncana gansseri subgansseri* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 70, pl. 6, figs. 7a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20831 *Globotruncana (Rugoglobigerina) hexacamerata subhexacamerata*
Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 34, pl. 1, figs. 11a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20842 *Globotruncana intermedia difformis* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 49, pl. 3, figs. 4a-c
César Valley, Río Manaure, 100 km. ESE. of La Paz, Dept. of
Magdalena, Col. Manaure sh., Upper Cretaceous
- 20826 *Globotruncana lapparenti longilocula* Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 17, pl. 1, figs. 1a-c
César Valley, Río Manaure, 100 km. ESE. of La Paz, Dept. of
Magdalena, Col. Manaure sh., Upper Cretaceous
- 20833 *Globotruncana (Rugoglobigerina) loetterli subloetterli* Gandolfi
Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 36, pl. 1, figs. 14a-c
Papayal Well No. 1, depth 210-215 ft., 300 km. NNE. Fonseca,
Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20839 *Globotruncana (Rugoglobigerina) macrocephala submacrocephala*
Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 46, pl. 2, figs. 11a-c
Papayal Well No. 1, depth 210-215 ft., 300 km. NNE. Fonseca,
Dept. of Magdalena, Col. Colon sh., Upper Cretaceous

- 20828 *Globotruncana marginata austinensis* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 29, pl. 1, figs. 6a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20843 *Globotruncana (Rugoglobigerina) ornata subornata* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 50, pl. 3, figs. 6a-c
 Papayal Well No. 1, depth 210-215 ft., 300 km. NNE. Fonseca,
 Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20864 *Globotruncana (Rugoglobigerina) pennyi subpennyi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 73, pl. 7, figs. 7a-c
 (see Errata in Gandolfi)
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20847 *Globotruncana (Rugoglobigerina) petaloidea petaloidea* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 52, pl. 3, figs. 13a-c
 Papayal Well No. 1, depth 70-75 ft., 300 km. NNE. Fonseca,
 Dept. of Magdalena, Col. Colon sh., Upper Cretaceous
- 20846 *Globotruncana (Rugoglobigerina) petaloidea subpetaloidea* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 52, pl. 3, figs. 12a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20856 *Globotruncana rosetta insignis* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 67, pl. 6, figs. 2a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20857 *Globotruncana rosetta pettersi* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 68, pl. 6, figs. 3a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20858 *Globotruncana rosetta pettersi* Gandolfi Paratype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 68, pl. 6, figs. 4a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous
- 20860 *Globotruncana (Rugoglobigerina) rotundata subrotundata* Gandolfi Holotype
 Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 70, pl. 7, figs. 1a-c
 Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
 Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
 Cretaceous

- 20863 **Globotruncana (Rugoglobigerina) rugosa subrugosa** Gandolfi
Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 72, pl. 7, figs. 5a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 25461 **Globotruncana** sp. Figured specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 291, pl. 29, figs. 2a-c [D.K.P. slide 191.9-18 (100)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 20855 **Globotruncana stuarti parva** Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 65, pl. 5, figs. 7a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20851 **Globotruncana thalmanni thalmanni** Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 60, pl. 4, figs. 4a-c
César Valley, Río Manaure, 100 km. ESE. of La Paz, Dept. of
Magdalena, Col. Manaure sh., Upper Cretaceous
- 20827 **Globotruncana tricarinata colombiana** Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 20, pl. 1, figs. 3a-c
César Valley, Río Molino, 200 km. NE. of Villanueva, Dept. of
Magdalena, Col. Manaure sh., Upper Cretaceous
- 20862 **Globotruncana wiedenmayeri magdalenaensis** Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 72, pl. 7, figs. 3a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 20861 **Globotruncana wiedenmayeri wiedenmayeri** Gandolfi Holotype
Gandolfi, B.A.P., v. 36, No. 155, 1955, p. 71, pl. 7, figs. 4a-c
Ranchería Valley, Fonseca - Río Hacha Rd. 400 km. NE. of
Fonseca, Dept. of Magdalena, Col. Colon sh., Upper
Cretaceous
- 4525 **Globularia morgani** (Johnson) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 255,
pl. 30, figs. 11, 12
Town Cr., Jackson, Hinds Co., Miss. Moody Branch fm.
lower Jackson gr., upper Eocene
- 4526 **Globularia sigaretina** (Lamarck) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 255,
pl. 30, fig. 13
Chaumont, Dept. Oise, NW. of Paris, France Lutetian,
Eocene
- 21666 **Globulina gibba** (d'Orbigny) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 21, pl. 4, fig. 16
Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 25209 **Globulina lacrima subsphaerica** (Berthelin) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 25
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 20642 **Glomospira articulosa** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 233, pl. 16, fig. 23;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of
crossroads in N. edge of Algerita, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20643- **Glomospira articulosa** Plummer Paratypes
20644 Plummer, Univ. Tex. Publ. 4401, 1945, p. 233, pl. 16, figs. 24,
25; Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of shale and ss. in SE. facing slope about 0.75 mi. NE. of
crossroads in N. edge of Algerita, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20645- **Glomospira articulosa** Plummer Paratypes
20646 Plummer, Univ. Tex. Publ. 4401, 1945, p. 233, pl. 16, figs. 21,
22; Marks, Micropal., v. 6, No. 4, 1952, p. 37
Ditch on S. side of San Saba-Rochelle highway, 1.55 rd. mi. E.
of crossroads at N. edge of Algerita, San Saba Co., Tex.
Smithwick fm., Lower Pennsylvanian
- 4925 **Glorioclava inea** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 86, pl. 12, fig. 13
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Glorioclava* Olsson, 1944
- 4864 **Glossocardia (Tortucardia) stephensoni** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 46, pl. 17, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 4865 **Glossocardia (Tortucardia) stephensoni** Olsson Holotype
Olsson, B.A.P., v. 28, No. 11, 1944, p. 46, pl. 17, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
Type species of *Tortucardia* Olsson, 1944
- 4866 **Glossocardia (Tortucardia) stephensoni** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 46, pl. 17, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 3518 **Glottidia inexpectans** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 21, pl. 5, fig. 18
Kings Mill, James R., James City Co., Va. Yorktown
fm., upper Miocene
- 3519 **Glottidia inexpectans** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 21, pl. 5, fig. 19
Kings Mill, James R., James City Co., Va. Yorktown
fm., upper Miocene

- 3520 **Glottidia inexpectans** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 21, pl. 5, fig. 20
Kings Mill, James R., James City Co., Va. Yorktown
fm., upper Miocene
- 3521 **Glottidia inexpectans** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 21, pl. 5, fig. 21
Kings Mill, James R., James City Co., Va. Yorktown
fm., upper Miocene
- Glottidia inexpectans** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 21, pl. 5, fig. 17
(missing prior to 1937)
Kings Mill, James R., James City Co., Va. Yorktown
fm., upper Miocene
- 20208 **Glycymeris** sp. [= **Glycymeris**] Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Punta Bemitez No. 145 depth 4595-4603 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21362 **Glycymeris** cf. **acuticostata** (Sowerby) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 11, pl. 2, fig. 9
Cahuitta well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45'
N.; long 82° 50' W., Limon Prov., C. R. Uscari sh.,
lower Miocene
- 855 **Glycymeris acuticostata guaica** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 32, pl. 18, fig. 1
Thirteenth mi. post Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 24472 **Glycymeris** cf. **anteparilis** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 4
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry,
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24473 **Glycymeris** cf. **anteparilis** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 5
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24474 **Glycymeris** cf. **anteparilis** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, figs. 6, 7
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry,
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24479 **Glycymeris arcata cookei** Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 17, pl. 7, fig. 12
E. side of Flint R. at junc. with Kinchefoonee Cr., near Albany,
Dougherty Co., Ga. "Ocala ls.", Jackson gr., upper
Eocene
- 857 **Glycymeris canalis** Brown and Pilsbry Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 31, pl. 18, figs. 3, 4
"Brasso Creek" = Caparo R., central Caroni Co., Trinidad,
W. I. ?Manzanilla fm., Miocene

- 21146 *Glycymeris canalis* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 2
Comadre Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21147 *Glycymeris canalis* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 3
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21150 *Glycymeris canalis* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21151 *Glycymeris canalis* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 7
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21148 *Glycymeris canalis* Brown and Pilsbry "var." Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 4
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21149 *Glycymeris canalis* Brown and Pilsbry "var." Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 18, fig. 5
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 22904 *Glycymeris canalis colombiensis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 11, pl. 2, fig. 3
Near Pto. Colombia, Dept. of Atlantico, Col. Miocene
- 22905, *Glycymeris canalis colombiensis* Wiesbord Syntypes
22905a Weisbord, B.A.P., v. 14, No. 54, 1929, p. 11, pl. 2, fig. 4 (22905a
is unfigured)
Near Pto. Colombia, Dept. of Atlantico, Col. Miocene
- 21871 *Glycymeris canalis democraciana* F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 17, pl. 2, figs. 2, 5
NE. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21874 *Glycymeris canalis democraciana* F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 17, pl. 3, fig. 2
NE. of La Vuelta, NE. of Urumaco, Dist. of Democracia, St. of
Falcón, Ven. Miocene
- 856 *Glycymeris canalis trinitensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 31, pl. 18, fig. 2
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 21166 *Glycymeris carbasina* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 179, pl. 19, figs. 1, 2

- E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21169 *Glycymeris carbasina* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 179, pl. 19, fig. 6
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21157 *Glycymeris castaneus* (Lamarck) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 180, pl. 18, fig. 13
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21158 *Glycymeris castaneus* (Lamarck) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 180, pl. 18, fig. 14
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 867 *Glycymeris decussata* (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 30, pl. 18, fig. 14
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 21168 *Glycymeris decussata* (Linnaeus) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 180, pl. 19, figs. 5, 7
Old Man Sam Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 4203 *Glycymeris filosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, figs. 1, 2
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm.,
lower Jackson gr., upper Eocene
- 4204 *Glycymeris filosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 3
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 530 *Glycymeris idonea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 47, pl. 20, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 531 *Glycymeris idonea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 47, pl. 20, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 532 *Glycymeris idonea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 47, pl. 20, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4205 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 4

Sims Siding, 8 mi. N. of Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene

- 4206 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 5
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4206a *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 6
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4207 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 7
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4208 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 8
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4208a *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 9
Sims Siding, 8 mi. N. of Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4209 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 10
Garland Cr., above Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4210 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 11
Burleson Shell Bluff [Collier's Ferry], Brazos R., Burleson Co.,
Tex. Weches fm., middle Claiborne gr., middle Eocene
- 4211 *Glycymeris idonea* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 49,
pl. 12, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 858 *Glycymeris jamaicensis* Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 29, pl. 18, fig. 5
SW. 2 mi. of Machapoorie Quarry, near boundary SE. Caroni
Co. and NW. Nariva Co., Trinidad, W. I. Machapoorie
mem., Manzanilla fm., Miocene
- 21167 *Glycymeris jamaicensis* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 178, pl. 19, figs. 3, 4
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

- 868 *Glycymeris jamaicensis machapooensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 30, pl. 18, fig. 15
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 533 *Glycymeris lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 48, pl. 20, fig. 12
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 534 *Glycymeris lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 48, pl. 20, fig. 13
Lisbon Bluff, Alabama R., Monroe Co., Ala. or Wautubbee,
Clark Co., Miss. Cook Mt. fm. [upper Lisbon fm.],
upper Claiborne gr., middle Eocene
- 535 *Glycymeris lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 48, pl. 20, fig. 14
Lisbon Bluff, Alabama R., Monroe Co., Ala. or Wautubbee,
Clark Co., Miss. Cook Mt. fm. [upper Lisbon fm.],
upper Claiborne gr., middle Eocene
- 536 *Glycymeris lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 48, pl. 20, fig. 15
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 21226 *Glycymeris lloydsmithi* Pilsbry and Brown Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 181, pl. 25, fig. 8
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21227 *Glycymeris lloydsmithi* Pilsbry and Brown Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 181, pl. 25, fig. 9
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21228 *Glycymeris lloydsmithi* Pilsbry and Brown Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 181, pl. 25, fig. 10
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 22902 *Glycymeris lloydsmithi* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 10, pl. 1, figs. 12, 13
Near Usiacuri, near Puerto Colombia, on Morro Hermoso, Dept.
of Atlantico, Col. middle-upper Miocene
- 22903, *Glycymeris lloydsmithi multicostata* Weisbord Syntypes
22903a Weisbord, B.A.P., v. 14, No. 54, 1929, p. 10, pl. 2, fig. 1, 2
(22903a is unfigured)
Piedras de Afilar or Morro Hermoso, Dept. of Atlantico,
Col. Miocene
- 859 *Glycymeris mendozana* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 33, pl. 18, fig. 6
Mendoza Quarry, SE. San Rafael Ward, NE. Caroni Co.,
Trinidad, W. I. Tamana fm., Miocene

- 860 **Glycymeris mendozana** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 33, pl. 18, fig. 7
 Mendoza Quarry, SE. San Rafael Ward, NE. Caroni Co.,
 Trinidad, W. I. Tamana fm., Miocene
- 3909 **Glycymeris parillis** (Conrad) Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 15, pl. 1, fig. 1
 N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 3915 **Glycymeris parillis** (Conrad) Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 15, pl. 1, fig. 8
 S. of Camp Roosevelt, Calvert Co., Md., Calvert fm.,
 lower middle Miocene
- 24594 **Glycymeris pectinata** (Gmelin) Representative specimen
 Perry and Schwengel, 1955, p. 38, pl. 3, figs. 14 a, b
 Sanibel, Lee Co., Fla. Recent
- 24158 **Glycymeris peruviana** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 20, pl. 1, fig. 4
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 545 **Glycymeris sabinensis** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 8
 Sabine R., Outcrop 22, Tex. side opposite middle line of SE.
 $\frac{1}{4}$ Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (See Stenzel,
 Krause, and Twining, 1957, p. 60) Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 546 **Glycymeris sabinensis** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 9
 Sabine R., Outcrop 22, Tex. side opposite middle line of SE.
 $\frac{1}{4}$ Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (See Stenzel,
 Krause, and Twining, 1957, p. 60) Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 547 **Glycymeris sabinensis** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 51, pl. 21, fig. 10
 Sabine R., Outcrop 22, Tex. side opposite middle line of SE.
 $\frac{1}{4}$ Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (See Stenzel,
 Krause, and Twining, 1957, p. 60) Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 6020 **Glycymeris schencki** Nicol Paratype
 Nicol, Jour. Pal., v. 21, No. 4, 1947, pp. 349, 350
 Lat 9° 18' N.; long 79° 55' + 200 ft. W., Panama, C. Z.
 Gatun fm., middle Miocene
- Glycymeris** sp.
 See *Glycimeris* sp.
- 526 **Glycymeris staminea** (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, fig. 4
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 527 *Glycymeris staminea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 528 *Glycymeris staminea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 529 *Glycymeris staminea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Glycymeris staminea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, fig. 8 (lost prior
to 1937)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 14947 *Glycymeris subovata* (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14949 *Glycymeris subovata* (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank midbeach, James City Co.,
Va. Yorktown fm., upper Miocene
- 14977 *Glycymeris subovata* (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14998 *Glycymeris subovata* (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co.
Va. Yorktown fm., upper Miocene
- 537 *Glycymeris trigonella* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 538 *Glycymeris trigonella* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 540 *Glycymeris trigonella* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 539 *Glycymeris trigonella minor* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 3

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 543 *Glycymeris trigonella minor* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 544 *Glycymeris trigonella minor* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 49, pl. 21, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 541 *Glycymeris trigonella wautubbeana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 50, pl. 21, fig. 5
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 542 *Glycymeris trigonella wautubbeana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 50, pl. 21, fig. 5a
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 864 *Glycymeris trilobica* Brown and Pilsbry Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 32, pl. 18, fig. 11
Brasso Venada Ravine, 3 mi. E. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Manzanilla fm.,
Miocene
- 22906 *Glycymeris cf. tumefacta* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 11, pl. 2, fig. 5
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 21904 *Glycymeris tumefacta lavelensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 17, pl. 8, figs. 1, 4
Around Buena Vista structure between La Vela and Taratara,
Dist. of Colina, St. of Falcón, Ven. Miocene
- 21908 *Glycymeris tumefacta lavelensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 17, pl. 9, fig. 1
Around Buena Vista structure between La Vela and Taratara,
Dist. of Colina, St. of Falcón, Ven. Miocene
- 3441 *Glyphostoma harrisi* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 14, pl. 3, fig. 10
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 20958 *Glyphostoma moinica* Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 76, pl. 5, figs. 29, 30
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20494 *Glyphostoma* sp. Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 136, pl. 9, fig. 8
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene

- 24847 **Glyphoturris rugirima** (Dall) Representative specimen
Perry and Schwengel, 1955, p. 189, pl. 39, fig. 273
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 24363 **Goniopora nomlandi** Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 11, pl. 1, fig. 6
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24364 **Goniopora nomlandi** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 11, pl. 1, fig. 6b
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24365 **Goniopora nomlandi** Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 11, pl. 1, fig. 6a
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24367 **Goniopora nomlandi** Wells Paratypes
Wells, B.A.P., v. 26, No. 98, 1941, p. 11
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24420 **Goniopora nomlandi** Wells var.? Unfigured specimens
Wells, B.A.P., v. 26, No. 98, 1941, p. 11
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24335 **Goniopora reussiana** (Duncan) Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 11, pl. 2, fig. 2
Ravine 1 km. W. Central Peserverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 24336 **Goniopora reussiana** (Duncan) Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 11, pl. 2, fig. 2a (slide)
Ravine 1 km. W. Central Peserverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 24349 **Goniopora reussiana** (Duncan) Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 11
Ravine 1 km. W. Central Perseverancia, Santa Clara, Prov.,
Cuba Upper Cretaceous
- 24350 **Goniopora reussiana** (Duncan) Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 11
Near Esperanza, 10 km. E. Madruga, Habana Prov., Cuba
Upper Cretaceous
- 3782 **Goniopora taberi** Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 11, pl. 2, figs. 5-7
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3785 **Goniopygus supremus** Hawkins Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 16, pl. 1, figs. 1-3
NW. of Esperanza switch 150 m., on Central San Antonio R.R.,
about 10 km. E. of Madruga, E. Habana Prov., Cuba
lower upper Cretaceous

- 5297 *Grammysia* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 74, pl. 41, fig. 9, (2 specimens, original and gutta percha cast)
Gowanda, Cattaraugus Co., N. Y. Conewango stage, Upper Devonian
- 24547 *Granocardium* (*Ethmocardium*) *pomeyrolli* Keen Paratypes
Keen, B.A.P., v. 35, No. 153, 1954, p. 8
Area of Moméa Tribe, New Caledonia Upper Cretaceous
- 1688 *Grateloupia* (*Cytheriopsis*) *alumensis* Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 107, pl. 21, fig. 12 (incorrect spelling for *Gratelupia*)
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 1689 *Grateloupia* (*Cytheriopsis*) *hydana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 106, pl. 21, figs. 17, 23, 26 (incorrect spelling for *Gratelupia*)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1690 *Grateloupia* (*Cytheriopsis*) *hydana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 106, pl. 21, figs. 18, 23, 27 (incorrect spelling for *Gratelupia*)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3556 *Grateloupia* *peruviana* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 36, pl. 8, fig. 2 (incorrect spelling for *Gratelupia*)
Parinas Point, Dept. of Piura, Peru Parinas fm., middle Eocene
- 3559 *Grateloupia* *peruviana* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 36, pl. 8, fig. 5 (incorrect spelling for *Gratelupia*)
Parinas Point, Dept. of Piura, Peru Parinas fm., middle Eocene
- 1200 *Gratelupia* (*Cytheriopsis*) *hydana* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 152, pl. 47, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1201 *Gratelupia* (*Cytheriopsis*) *hydana* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 152, pl. 47, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1202 *Gratelupia* (*Cytheriopsis*) *hydana* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 152, pl. 47, fig. 13a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1 *Gryphaea* *vesicularis* (Lamarck) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 292, pl. 50, fig. 1

Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous

- 2 *Gryphaea vesicularis* (Lamarck) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 292, pl. 50, fig. 2
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 26 *Gryphaea vesicularis* (Lamarck) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 292, pl. 49, fig. 2
Rayburn's Salt Work, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 4123 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16, pl.
1, figs. 7, 8
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4124 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16, pl.
1, fig. 9
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4125 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16, pl.
1, fig. 10
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4126 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16, pl.
1, fig. 11
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4127 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16, pl.
1, fig. 12
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4128 *Gryphaeostrea vomer plicatella* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 16,
pl. 1, fig. 13
Two-3 mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 25181 *Guadryina rugosa* d'Orbigny Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 12
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 22690 *Gümbelina globifera* (Reuss) Hypotype
Plummer, Univ., Tex. Bull. 3101, 1931, p. 177, pl. 9, fig. 14
(S-818)

Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex.
Kemp cl., Navarro gr., Maestrichtian, Upper Cretaceous

- 25212 *Gümbelina globulosa* (Ehrenberg) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 27
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 25213 *Gümbelina ultimatimida* White Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 27
Nutt's Farm on Crosswick's Cr., 0.6 mi. N. of New Egypt, Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 25214 *Gümbelitria cretacea* Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 28
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 22176 *Guttulina austriaca* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22177 *Guttulina austriaca* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, figs. 1, 2
Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 22178 *Guttulina austriaca* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va. Yorktown fm., upper Miocene
- 22179 *Guttulina austriaca* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va. Yorktown fm., upper Miocene
- 22180 *Guttulina austriaca* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, fig. 3
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co., Va. Yorktown fm., upper Miocene
- 25208 *Guttulina hantkeni* Cushman and Ozawa Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 24
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J. Hornerstown fm., Eocene
- 22181 *Guttulina palmerae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, figs. 4, 5
Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 22182 *Guttulina palmerae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene

- 22183 *Guttulina palmerae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22184 *Guttulina palmerae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22185 *Guttulina palmerae* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22186 *Guttulina palmerae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, fig. 6
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22187 *Guttulina palmerae* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, fig. 7
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22188 *Guttulina palmerae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 40, fig. 13
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22189 *Guttulina palmerae* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333
Powells Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co., Va.
Yorktown fm., upper Miocene
- 21670 *Guttulina problema* d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 22, pl. 4, fig. 20
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex.
Guayabal fm., middle Eocene
- 22190 *Guttulina pseudocostatula* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334, pl. 40, fig. 8
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22191 *Guttulina pseudocostatula* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334
Camp Wallace, James City Co., Va.
Yorktown fm., upper Miocene
- 22192 *Guttulina pseudocostatula* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 334, pl. 40, fig. 10
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22193 *Guttulina pseudocostatula* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334, pl. 40, fig. 11
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22194 *Guttulina pseudocostatula* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22195 *Guttulina pseudocostatula* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22196 *Guttulina pseudocostatula* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 334
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22197 *Guttulina* sp. A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 334, pl. 40, fig. 9
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22198 *Guttulina* sp. B Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 334, pl. 40, fig. 12
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 25472 *Gypsina discus* (Goës) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 298, pl. 31, fig. 2 [D.K.P. slide 191.9-26 (11)] (missing prior to 1958)
Quarry on rd. above Río Cojimar, S. edge of Cojimar village, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25473 *Gypsina discus* (Goës) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 298, text fig. 1 or 2 [D.K.P. slide 191.9-9 (27)]
Quarry on rd. above Río Cojimar, S. edge of Cojimar village, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25473a *Gypsina discus* (Goës) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 298, text fig. 1 or 2 [D.K.P. slide 191.9-9 (28)]
Quarry on rd. above Río Cojimar, S. edge of Cojimar village, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958 p. 222]
- 25152 *Gypsina globula* (Reuss) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 29
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 22650 *Gyroidina childsi* Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, p. 13; not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. ¼ Sec. 29, NW. ¼ Sec. 28, T. 15 S., R. 13 E., (I-S 7-47) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene

- 22698 **Gyroidina depressa** (Alth) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 190, pl. 13, fig. 3 (S-832)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing,* Travis Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 21744 **Gyroidina girardana** (Reuss) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 15
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- 21637a **Gyroidina guayabalensis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 28, pl. 2, fig. 25
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21637b **Gyroidina guayabalensis** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 28, pl. 2, figs. 24, 26
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 22699 **Gyroidina nitida** (Reuss) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 191, pl. 14, fig. 5 (S-833)
Grayson Bluff, 3½ mi. NE. of Roanoke, Denton Co., Tex. Grayson fm., Washita gr., Lower Cretaceous
- 25225 **Gyroidina soldanii** d'Orbigny Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 33
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous or S. of New Egypt, Ocean Co., N. J. (Hornerstown fm.) Eocene
- 21636 **Gyroidina soldanii octocamerata** Cushman and G. D. Hanna Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 2, figs. 21-23
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 24403 **Halmesiastraea distans** Vaughan Hypotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 15, pl. 2, fig. 4
One mi. N. of Negritos, Dept. of Piura, Peru basal Restin fm., middle Eocene
- 20921 **Halia americana** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 79, pl. 4, fig. 7
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 24340 **Halparaea discrepans** Wells Paratype
Wells, B.A.P., v. 26, No. 97, 1941, p. 7 (slide)
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba Upper Cretaceous

- 3685 **Haminea labrea** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 95, pl. 20, fig. 6
La Brea, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3682 **Haminea solaria** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 95, pl. 20, figs. 2, 4
Balcones Point, near Negritos, Dept. of Piura, Peru
Restin fm., middle Eocene
- 24858 **Haminocia antillarum guadelupensis** Sowerby Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 176, pl. 39, fig. 284; Perry
and Schwengel, 1955, p. 194, pl. 39, fig. 284
Sanibel, Lee Co., Fla. Recent
- 24857 **Haminocia succinea** (Conrad) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 175, pl. 39, fig. 283; Perry
and Schwengel, 1955, p. 193, pl. 39, fig. 283
Turner's Pond, Sanibel, Lee Co., Fla. Recent
- 4053 **Hanetia (Fusinosteira) alternata** (Nelson) Hypotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 67, pl. 10, fig. 1
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4052 **Hanetia anomala burica** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 67, pl. 11, fig. 2
Quebrada Mellisa, 11 km. S. of Puerto Armuelles, Chiriquí
Prov., Pan. Charca Azul fm., Pliocene
- 4051 **Hanetia pelicana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 66, pl. 3, fig. 3
Burica Point, Chiriquí Prov., Pan. Burica ss., upper
Miocene or lower Pliocene
- 20480 **Hanetia** sp. Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 118, pl. 7, figs. 12, 13
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 2075 **Hannatoma emendorferi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 82, pl. 15, fig. 3
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 2080 **Hannatoma emendorferi** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 82, pl. 15, fig. 8
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 20120 **Hannatoma emendorferi** Olsson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1690
Approx. 950 m. N. 87° W. of well La Victoria No. 1, S. central
Dist. of Miranda, St. of Zulia, Ven. La Victoria fm.,
middle Oligocene
- 2085 **Hannatoma gesteri** (Hanna and Israelsky) Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 81, pl. 16, fig. 2

- Punta Bravo, Dept. of Tumbes, Peru Mancora fm.,
middle Oligocene
Type species of *Hannatoma* Olsson, 1931
- 2088 ***Hannatoma gesteri*** (Hanna and Israesky) Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 81, pl. 16, fig. 7
Punta Bravo, Dept. of Tumbes, Peru Mancora fm.,
middle Oligocene
- 2074 ***Hannatoma tumbezia*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 82, pl. 15, figs. 1, 2
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 21746 ***Hantkenina alabamensis*** Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 11
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25103 ***Hantkenina alabamensis*** Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 15, pl. 2, fig. 4
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. Station, Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 21745 ***Hantkenina brevispina*** Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 12
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21660 ***Hantkenina longispina*** Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 24, pl. 4, fig. 7
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 22443 ***Hanzawaia concentrica*** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367, pl. 49, figs. 6a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22444 ***Hanzawaia concentrica*** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22445 ***Hanzawaia concentrica*** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22446 ***Hanzawaia concentrica*** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22447 ***Hanzawaia concentrica*** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367

Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22448 **Hanzawaia concentrica** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22449 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22450 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22451 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Second brige NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22452 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22453 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22454 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22455 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22456 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367, pl. 49, figs. 4a, b; 5a, b
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22457 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22458 **Hanzawaia concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22459 **Hanzawala concentrica** (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 367
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 24315 **?Haplaraea discrepans** Wells Holotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 7, pl. 1, fig. 2
Ravine 1 kb. W. Central Perseverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 24320- **?Haplaraea discrepans** Wells Paratypes
24331 Wells, B.A.P., v. 26, No. 97, 1941, p. 7. Includes 7 paratypes and
4 specimens used in original study collection.
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 21712 **Haplophragmoides chapapotensis** Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 5, pl. 2, fig. 1
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 20647 **Haplophragmoides confragosus** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 235, pl. 15, fig. 39;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of
crossroads at N. edge of Algerita, San Saba Co., Tex.
Strawn fm., Middle Pennsylvanian
- 20648- **Haplophragmoides confragosus** Plummer Paratypes
20649 Plummer, Univ. Tex. Publ. 4401, 1945, p. 235, pl. 15, figs. 40, 41;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of
crossroads at N. edge of Algerita, San Saba Co., Tex.
Strawn fm., Middle Pennsylvanian
- 22655a-d **Haplostiche texana** (Conrad) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 124, pl. 15, figs. 1a, b,
f, g (S-799)
Near rd. to Mexican cemetery, SE. of Del Rio, Val Verde Co.,
Tex. Del Rio fm., Washita gr., Lower Cretaceous
- 22656a-c **Haplostiche texana** (Conrad) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 124, pl. 15, figs. 1e, d
(S-778)
Near rd. to Mexican cemetery, SE. of Del Rio, Val Verde Co.,
Tex. Del Rio fm., Washita gr., Lower Cretaceous
- 20144 **Hardouinia** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644
W. bank Río Cogollo 925 m. downstream from junc. with Río
Seco, Dist. of Perijá, St. of Zulia, Ven. Apón fm.,
Middle Cretaceous
- 4771 **Harpa (Eocithara) jacksonensis** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 397,
pl. 56, figs. 19, 20

Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene

- 2128 **Harpa myrmia** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 114, pl. 20, fig. 7
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 3235 **Harpa** sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 398, pl. 65, fig. 6
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 5070 **Harrisia parabola** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 16, figs. 1, 3
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
See *Clelandia parabola* (Cleland)
Type species of *Harrisia* Cleland, 1900
- 5071 **Harrisia parabola** Cleland Paratype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 16, fig. 2
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 3893 **Harrisianella peruviana** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 21, pl. 8, fig. 7
Caleta Sal, Dept. of Tumbes, Peru Saman fm., upper
Eocene
Type species of *Harrisianella* Olsson, 1929
- 5815 **Harrisoceras ignotum** Flower Holotype
Flower, Jour. Pal., v. 13, No. 5, 1939, p. 478, pl. 49, fig. 9
Southern Ind. Louisville ls., Middle Silurian
- 5817 **Harrisoceras monocameratum** Flower Holotype
Flower, Jour. Pal., v. 13, No. 5, 1939, p. 477, pl. 49, fig. 1
Yorktown, Delaware Co., Ind. Liston Cr. ls., Middle
Silurian
- 5818 **Harrisoceras monocameratum** Flower Paratype
Flower, Jour. Pal., v. 13, No. 5, 1939, p. 477
Yorktown, Delaware Co., Ind. Liston Cr. ls., Middle
Silurian
- 5816 **Harrisoceras obstructum** (Newell) Hypotype
Flower, Jour. Pal., v. 13, No. 5, 1939, p. 479, pl. 49, fig. 5
Yorktown, Delaware Co., Ind. Liston Cr. ls., Middle
Silurian
- 5819 **Harrisoceras orthoceroides** Flower Holotype
Flower, Jour. Pal., v. 13, No. 5, 1939, p. 476, pl. 49, figs. 2-4 (not
5814 as in text, p. 476)

Chicago drainage canal, Lemonte, Cook Co., Ill.
 Waukesha dol., Middle Silurian
 Type species of *Harrisoceras* Flower, 1939

- 2252 ***Harvella elegans tucilla*** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 129, pl. 14, fig. 1
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 3342 ***Hastula houstonia*** (Harris) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 471, pl. 72, fig. 12
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3343 ***Hastula houstonia*** (Harris) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 471, pl. 72, fig. 13
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3344 ***Hastula houstonia*** (Harris) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 471, pl. 72, fig. 14
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3337 ***Hastula sabina*** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 473, pl. 72, fig. 3
 Sabine R., Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35, T.
 5 N., R. 13 W., Outcrop 21, Sabine Par., La. (Veatch Survey,
 1902, p. 129) Stone City beds, middle Claiborne gr.,
 middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3338 ***Hastula sabina*** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 473, pl. 72, figs. 4, 6
 Sabine R., Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35, T.
 5 N., R. 13 W., Outcrop 21, Sabine Par., La. (Veatch Survey,
 1902, p. 129) Stone City beds, middle Claiborne gr.,
 middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3336 ***"Hastula" venusta*** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 470, pl. 72, figs. 2, 9
 Orangeburg district, Orangeburg Co., S. C. McBean
 fm., upper Claiborne gr., middle Eocene
- 3339 ***"Hastula" venusta*** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 470, pl. 72, fig. 5
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 5938 ***?Hebetoceras cylindriforme*** Flower Holotype
 Flower, Jour. Pal., v. 15, No. 5, 1941, p. 546, pl. 76, figs. 11-13
 Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
 Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
 (Middle) Ordovician
- 5932 ***Hebetoceras mirandum*** Flower Holotype
 Flower, Jour. Pal., v. 15, No. 5, 1941, p. 545, pl. 76, figs. 4-6

Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician

- 5933 **Hebetoceras mirandum** Flower Paratype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 545, pl. 76, fig. 7
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5934 **Hebetoceras mirandum** Flower Paratype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 545, pl. 76, figs. 1, 3
Little Monty Bay SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5935 **Hebetoceras mirandum** Flower Paratype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 545, pl. 76, fig. 2
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5936 **Hebetoceras mirandum** Flower Paratype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 545
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5937 **Hebetoceras mirandum** Flower Paratype
Flower, Jour. Pal. v. 15, No. 5, 1941, p. 545
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 20318 **Heilprinia caloosaensis carolinensis** (Dall) Hypotype
Smith, B., P. A., v. 3, No. 21, 1946, p. 11, pl. 1, figs. 14, 15
Acme, Columbus Co., N. C. Waccamaw fm., lower Pliocene
- 20319 **Heilprinia caloosaensis carolinensis** (Dall) Hypotype
Smith, B., P. A., v. 3, No. 21, 1946, p. 11, pl. 1, figs. 16, 17
Nixon's Ldg., Waccamaw R., Horry Co., S. C. Waccamaw fm., lower Pliocene
- 3762 **Helicoceras** sp. Figured specimen
Olsson, B.A.P., v. 20, No. 69, 1934, p. 73, pl. 10, fig. 6
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 21798 **Helicolepidina spiralis tenuis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 6, pl. 1, fig. 11
In pit, 2.5 km. E. and 0.3 km. S. of Churugarito,* Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 21799 **Helicolepidina spiralis tenuis** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 6, pl. 1, fig. 12

In pit, 2.5 km. E. and 0.3 km. S. of Churugarito,* Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene

Heliophyllum arachne Hall

See *H. halli* forma *arachne* Hall

- 24572 **Heliophyllum arachne-halli** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 18, text fig. 28
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24573 **Heliophyllum arachne-halli** Hypotypes
Wells, P. A., v. 2, No. 6, 1937, p. 18; 3 specimens
Exact locality unknown, N. Y. Hamilton gr., Middle
Devonian
- Heliophyllum confluens** Hall
See *H. halli confluens* Hall
- Heliophyllum degener** Hall
See *Heliophyllum halli* forma *degener* Hall
- 24422 **Heliophyllum halli** Edwards and Haime Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 95, pl. 10, fig. 1 (transverse section)
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 24423 **Heliophyllum halli** Edwards and Haime Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 95, pl. 10, fig. 2 (radial longitudinal section)
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 24431 **Heliophyllum halli** Edwards and Haime Hypotypes
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 95 (9 specimens)
Caño Grande and Caño del Oeste branches, upper course of Río
Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño
Grande fm., and Caño del Oeste fm., Lower-Middle Devonian
- 24554 **Heliophyllum halli** Edwards and Haime Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text fig. 2
York, Livingston Co., N. Y. Ludlowville fm., Hamilton
gr., Middle Devonian
- 24555 **Heliophyllum halli** Edwards and Haime typical Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text fig. 3
York, Livingston Co., N. Y. Ludlowville fm., Hamilton
gr., Middle Devonian
- 24556 **Heliophyllum halli** Edwards and Haime typical Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text figs. 4, [24?]
York, Livingston Co., N. Y. Ludlowville fm., Hamilton
gr., Middle Devonian

- 24557 **Heliophyllum halli** Edwards and Haime typical Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text fig. 5
Eighteen Mile Creek, Erie Co., N. Y. Ludlowville fm.,
Hamilton gr., Middle Devonian
- 24558 **Heliophyllum halli** Edwards and Haime typical Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text fig. 6
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville fm.
Hamilton gr., Middle Devonian
- 24559 **Heliophyllum halli** Edwards and Haime typical Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, text fig. 7
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24571 **Heliophyllum halli-arachne** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 18, text fig. 27
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville fm.,
Hamilton gr., Middle Devonian
- 24578 **Heliophyllum halli arachne-aplatum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 18
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24560 **Heliophyllum halli confluens** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 10, text fig. 8
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24570 **Heliophyllum halli-"degener-reflexum-obconicum"** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 17, text fig. 26
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24577 **Heliophyllum halli infundibulum-arachne** Hypotypes
Wells, P. A., v. 2, No. 6, 1937, p. 18; 2 specimens, 1 towards
infundibulum, 1 towards *arachne*
Exact locality unknown, N. Y. Ludlowville fm., Hamilton
gr., Middle Devonian
- 24574 **Heliophyllum halli praecoquum-proliferum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville fm.,
Hamilton gr., Middle Devonian
- 24568 **Heliophyllum halli-reflexum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 15, text fig. 22
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24569 **Heliophyllum halli-reflexum obconicum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 17, text fig. 25
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian

- 24575 **Heliophyllum halli reflexum-obconicum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 19
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24576 **Heliophyllum halli reflexum-obconicum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 19
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24580 **Heliophyllum halli reflexum-typicum** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 15
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24549 **Heliophyllum halli forma aplatum** Wells Holotype
Wells, P. A., v. 2, No. 6, 1937, p. 18, pl. 1, figs. 10, 11, text
fig. 30
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- Heliophyllum halli forma arachne** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, pl. 1, fig. 7 (not deposited in
1937)
Coral bed, Skaneateles Lake, Onondaga Co., N. Y. Lud-
lowville fm., Hamilton gr., Middle Devonian
- 24564 **Heliophyllum halli forma arachne** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, text fig. 18
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24565 **Heliophyllum halli forma arachne** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, text fig. 19
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24579 **Heliophyllum halli forma arachne** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- Heliophyllum halli forma arachne** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, text fig. 17 (not deposited
in 1937)
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24566 **Heliophyllum halli forma degener** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, text fig. 20
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24548 **Heliophyllum halli forma infundibulum** Wells Holotype
Wells, P. A., v. 2, No. 6, 1937, p. 18, pl. 1, figs. 8, 9 text fig. 29
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian

- 24567 **Heliophyllum halli forma obconicum** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 14, text fig. 21
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24550 **Heliophyllum halli forma praecoquum** Wells Holotype
Wells, P. A., v. 2, No. 6, 1937, p. 11, pl. 1, fig. 12, text fig. 10
Coral bed, E. shore Skaneateles Lake, Onondaga Co., N. Y.
Ludlowville fm., Hamilton gr., Middle Devonian
- Heliophyllum halli forma praecoquum** Wells Paratype
Wells, P. A., v. 2, No. 6, 1937, p. 11, pl. 1, figs. 5, 6 cross sections,
fig. 6 not same as fig. 3 as given on pl. (missing prior to 1956)
Coral bed, E. shore Skaneateles Lake, Onondaga Co., N. Y.
Ludlowville fm., Hamilton gr., Middle Devonian
- 24561 **Heliophyllum halli forma praecoquum** Wells Paratype
Wells, P. A., v. 2, No. 6, 1937, p. 11, text fig. 11
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24551 **Heliophyllum halli forma pravum** Wells Paratype
Wells, P. A., v. 2, No. 6, 1937, p. 11, pl. 1, fig. 13, text fig. 15
York, Livingston Co., N. Y. Ludlowville fm., Hamilton
gr., Middle Devonian
- 24552 **Heliophyllum halli forma pravum** Wells Holotype
Wells, P. A., v. 2, No. 6, 1937, p. 11, pl. 1, figs. 14, 15, text fig.
16
Coral bed, E. shore Skaneateles Lake, Onondaga Co., N. Y.
Ludlowville fm., Hamilton gr., Middle Devonian
- 24562 **Heliophyllum halli forma reflexum** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 11, text fig. 12
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 24563 **Heliophyllum halli forma reflexum** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 11, text fig. 14
Skaneateles Lake, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- Heliophyllum halli "forma typicum"** Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 9, pl. 1, figs. 1-4, cross sections
(missing prior to 1956)
Coral bed, E. shore Skaneateles Lake, Onondaga Co., N. Y.
Ludlowville fm., Hamilton gr., Middle Devonian
- Heliophyllum obconicum** Hall
See *H. halli* forma *obconicum* Hall
- Heliophyllum proliferum** Hall Hypotype
Wells, P. A., v. 2, No. 6, 1937, p. 11, text fig. 9 (not deposited
in 1937)
Lord's Hill, Joshua, Onondaga Co., N. Y. Ludlowville
fm., Hamilton gr., Middle Devonian
- 3780 **Heliopora bennetti** Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 11, pl. 2, figs. 1, 2

Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene

- 24540 **Hemiaechminoides monospinus** Morris and Hill Paratype
Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 8
Newsom, Davidson Co., Tenn. Newsom sh., Middle
Silurian Type species *Hemiaechminoides* Harris & Hill, 1952
- 3802 **Hemiaster cf. antillensis** Cotteau Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 34, pl. 2, figs. 12-14
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3804 **Hemiaster madrugensis** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 35, pl. 3, figs. 4-6
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3805 **Hemiaster siboneyensis** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 37, pl. 3, figs. 7-9
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 22662a-c **Hemicristellaria ensis** (Reuss) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 146, pl. 10, figs. 2-4
(S-786. 1-3)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co.,
Tex. Kemp cl., Navarro gr., Maestrichtian, Upper
Cretaceous
- 25193 **Hemicristellaria ensis** (Reuss) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 17
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 25192 **Hemicristellaria rancocasensis** Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 17
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 21732 **Hemicristellaria scitula** (Berthelin) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 9, pl. 1, fig. 1
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 20804 **Hemicristellaria silicula** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 148, pl. 10, fig. 8;
Marks, Micropal., v. 6, No. 4, 1952, p. 40
Ditch on Marlin rd., base of scarp at E. end of bridge across
Big Creek valley, Falls Co., 0.7 mi. W. of Odds, Limestone Co.,
Tex. Kemp clay, Navarro gr., Maestrichtian, Upper
Cretaceous
See *Vaginulinopsis silicula* (Plummer)
- 20805 **Hemicristellaria silicula** Plummer Paratype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 148, pl. 10, fig. 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 40

Ditch on Marlin rd., base of scarp at E. end of bridge across Big Creek Valley, Falls Co., 0.7 mi. W. of Odds, Limestone Co., Tex. Kemp clay, Navarro gr., Maestrichtian, Upper Cretaceous
See *Vaginulinopsis silicula* (Plummer)

- 22619 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92, pl. 12, figs. 2a-d
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22620 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22621 **Hemicythere schmidtai** Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22622 **Hemicythere schmidtai** Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Powells Lake Spillway, *Pecten* bed (top bed), James City Co., Va.
Yorktown fm., upper Miocene
- 22623 **Hemicythere schmidtai** Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22624 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22625 **Hemicythere schmidtai** Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Powells Lake Spillway, *Ecphora* bed (3d bed from top sand), James City Co., Va. Yorktown fm., upper Miocene
- 22626 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22627 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22628 **Hemicythere schmidtai** Malkin Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22629 **Hemicythere schmidtai** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92

- Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 22630 **Hemicythere schmidtæ** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22631 **Hemicythere schmidtæ** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22632 **Hemicythere schmidtæ** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22633 **Hemicythere schmidtæ** Malkin Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 92
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 20650 **Hemigordius regularis** Plummer Holotype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 20, pl. 1, fig. 1;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Shale slope, E. side of abandoned clay pit, Bridgeport Brick Co.,
0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood sh., Upper Pennsylvanian
- 24177 **Hemipleurotoma arenosa** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24178 **Hemipleurotoma arenosa** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 5
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24179 **Hemipleurotoma arenosa** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3985 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44, pl.
6, fig. 1
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecua.
Biblián ss., possible Miocene
- 3986 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44, pl.
6, fig. 2
Three km. NW. Azógues, Cañar Prov., Ecua. Biblián
ss., possible Miocene

- 3987 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, fig. 3
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 3988 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1921, pt. 2, p. 44,
pl. 6, fig. 4
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 3989 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1921, pt. 2, p. 44,
pl. 6, fig. 5
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián ss.,
possible Miocene
- 3990 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, fig. 6
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 3991 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, fig. 7
On road from Biblián to Azógues, Cañar Prov., Ecu.
Biblián ss., possible Miocene
- 3992 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, fig. 8
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián
ss., possible Miocene
- 3993 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, figs. 9, 11, 12
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 3994 **Hemisinus (Sheppardiconcha) biblianus** Marshall and Bowles
Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 44,
pl. 6, fig. 10
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 1047 **Hemisinus comparanus** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 235, pl. 35, fig. 9

One half mi. on Comparo rd., near Sangre Grande, S. central Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene

- 1048 **Hemisinus comparanus** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 235, pl. 35, fig. 10
One half mi. on Comparo rd., near Sangre Grande, S. central Manzanilla Ward, central St. Andrew Co., Trinidad, W. I.
lower Pliocene
- 4574 **Hemisinus jacksonius** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 277, pl. 35, figs. 8, 9
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 4575 **Hemisinus jacksonius** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 277, pl. 35, fig. 7
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 2076 **Hemisinus terebriformis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 83, pl. 15, fig. 4
Quebrada Canoas, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 2560 **?Hemisurcula fisherensis** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 66, pl. 11, fig. 26
Fisher, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2558 **Hemisurcula hicoricola** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 66, pl. 11, fig. 23
One and a half mi. S. of Hickory (not Newton as on p. 66),
Newton Co., Miss. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
- 2559 **Hemisurcula hicoricola** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 66, pl. 11, figs. 24, 25
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2561 **?Hemisurcula perexillis** (Aldrich) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 66, pl. 11, fig. 27
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 2557 **Hemisurcula silicata** (Aldrich) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 66, pl. 11, fig. 22 (lost prior
to 1955)
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 3700 **Hercoglossa peruviana** Berry Hypotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 96, pl. 23, fig. 1; Miller,
G. S. A., Mem. 23, 1947, p. 58, pl. 89, figs. 1, 2; pl. 90, fig. 4
Lobitos, Dept. of Piura, Peru Restin fm., middle Eocene

Hercoglossa ?peruviana Berry

Hypotype

Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 18, figs. 1, 2 (lost prior to 1937) = *H. waringi* Miller, 1947, p. 63

Bontour Point, W. Naparima Ward, W. Victoria Co., Trinidad,
W. I. uppermost Cretaceous

20135 **Hercoglossa** sp.

Figured specimen

Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681, pl. 7, figs. 1, 2
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene

Hercoglossa ulrichi White

Hypotype

Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 99, pl. 18, fig. 14 (lost prior to 1937) = *H. harrisi* Miller, 1947, p. 51

Marac Quarry, SW. Moruga Ward, S. Victoria Co., Trinidad,
W. I. lower Eocene

24494 **Here cf. wacissana** Dall

Hypotype

Harris, B.A.P., v. 33, No. 138, 1951, p. 21, pl. 10, fig. 6

Flint R. at junc. with Kinchefoonee Cr., near Albany, Dougherty Co., Ga. "Ocala ls.", Jackson gr. upper Eocene

20320 **Hesperisternia filicata** (Conrad)

Hypotype

Smith, B., P. A., v. 3, No. 21, 1946, p. 12, pl. 1, figs. 18-20

Ft. Boykin Bluffs, Burwell Bay, James R., 3½ statute mi. SE. of Rushmere near Morgarts Beach, Isle of Wight Co., Va. Yorktown fm., upper Miocene

127 **Heteroceras** sp.

Figured specimen

Harris, La. Geol. Surv. Rpt., 1899, p. 297, pl. 51, fig. 4

Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE. Bienville, Bienville Par., La. Upper Cretaceous

24421 **Heterophrentis venezuelensis** (Weisbord)

Syntype

Weisbord, B.A.P., v. 11, No. 46, 1926, p. 4, pl. 1, figs. 4, 5; Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943, p. 97, pl. 10, fig. 7 (polished longitudinal section of 21594, Weisbord)

Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

See *Cyathophyllum venezuelensis* Weisbord

24426 **Heterophrentis venezuelensis** (Weisbord)

Hypotype

Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943, p. 97, pl. 10, figs. 8, 9

Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño del Oeste fm., Upper Devonian

24429 **Heterophrentis venezuelensis** (Weisbord)

Hypotype

Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943, p. 97 (transverse section)

Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

- 24430 **Heterophrentis venezuelensis** (Weisbord) Hypotypes
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 97 (10 specimens)
Caño del Oeste and Caño Grande branches, upper course of
Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven.
Caño del Oeste fm. and Caño Grande fm., Lower-Upper
Devonian
- 24433 **Heterophrentis venezuelensis** (Weisbord) Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 97
Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño del Oeste fm., Upper Devonian
- Heterostegina aff. antillea** Cushman Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19,
fig. 9 (lost prior to 1937)
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad,
W. I. upper Oligocene
- Heterostegina aff. antillea** Cushman Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19,
fig. 10 (lost prior to 1937)
Erin Point, S. Erin Ward, S. central St. Patrick Co., Trinidad,
W. I. Cipero fm., upper Oligocene
- 24702 **Hiatella arctica** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 92, pl. 18, fig. 122
Sanibel, Lee Co., Fla. Recent
- 2459 **Hipponix pygmaeus** Lea Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 7 (footnote)
See *Calyptrea aperta* (Solander) P. R. I. 2459
- 2790 **Hipponix pygmaeus** Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 149, pl. 13, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2791 **Hipponix pygmaeus** Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 149, pl. 13, figs. 2, 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2792 **Hipponix pygmaeus** Lea (*Helcion leanus* Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 149, pl. 13, figs. 3, 4
Sabine R., Outerop 21, Tex. side opposite SW. corner SE. ¼
Sec. 35, T. 5 N., R. 13 W., Sabine Par. La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2793 **Hipponix pygmaeus** Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 149, pl. 13, fig. 8
Exact locality unknown, Tex. lower Claiborne gr., mid-
dle Eocene
- 4540 **Hipponix pygmaeus** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 265,
pl. 32, fig. 1

- Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4541 **Hipponix pygmaeus** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 265,
pl. 32, figs. 2, 3
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 325 **Hipponyx sylvaeupis** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 83, pl. 11, figs. 10, 10a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20143 **Holectypus** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 4, fig. 7
W. bank Río Cogollo 925 m. downstream from junc. with Río
Seco, Dist. of Perijá, St. of Zulia, Ven. Apón fm., Mid-
dle Cretaceous
- 25082 **Holonema rugosum** (Claypole) Plastotype
Wells, B.A.P., v. 27, No. 107, 1943, p. 4, pl. 1, fig. 1
Float one mile E. Maine, Broome Co., N. Y. Upper
Devonian
- 5387 **Holopea turgida** Hall Hypotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 13, pl. 15, fig. 14
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5328 **Holoptychus (Sauripteris?) taylori** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 104, pl. 57, fig. 2
Bradford, McKean Co., Pa. Chemung stage, Senecan
series, Upper Devonian
- 5456A **?Homalonotus** sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 18 (miss-
ing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 20249 **Hyalina (Cystiscus)** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Ambrosio No. 21, depth 2111-2112 ft, Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 20651 **Hyperammina clavacoidea** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 221, pl. 15, fig. 17;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh., and ss. in SE. facing slope about 0.75 mi. NE. of
crossroads in N. edge of Algerita, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20652- **Hyperammina clavacoidea** Plummer Paratypes
20656 Plummer, Univ. Tex. Publ. 4401, 1945, p. 221, pl. 15, figs. 12-14;
Marks, Micropal., v. 6, No. 4, 1952, p. 37

Ditch on S. side of San Saba-Rochelle highway, 1.55 rd. mi. E. of crossroads at N. edge of Algerita, San Saba Co., Tex.
Smithwick fm., Lower Pennsylvanian

- 20657 **Hyperammina elegantissima** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 222, pl. 15, fig. 17;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Exposure of sh. and ss. on E. side of San Saba-Regency highway, 11.05 rd. mi. NW. of bridge over San Saba R., in N. edge of San Saba, and 1.4 rd. mi. SE. of Neal, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20658- **Hyperammina elegantissima** Plummer Paratypes
20665 Plummer, Univ. Tex. Publ. 4401, 1945, p. 222, pl. 15, figs. 18-25;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Exposure of sh. and ss. on E. side of San Saba-Regency highway, 11.05 rd. mi. NW. of bridge over San Saba R., in N. edge of San Saba, and 1.4 rd. mi. SE. of Neal, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20665a **Hyperammina elegantissima** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 222 (not in Marks, Micropal., v. 6, No. 4, 1952)
Turkey Cr., Brazos R. valley, 4 mi. N. 70° W. Lake Pinto, Palo Pinto Co., Tex. Minerals Well fm., upper Strawn gr., Middle Pennsylvanian
- 20665b **Hyperammina elegantissima** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 222 (not in Marks, Micropal., v. 6, No. 4, 1952)
Trickham Rd., 5.4 mi. SW. of Brownwood, Brown Co., Tex.
Brad fm., Pennsylvanian
- 20666 **Hyperamminoides expansus** Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 223, pl. 16, fig. 1;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of crossroads in N. edge of Algerita, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20667- **Hyperamminoides expansus** Plummer Paratypes
20670 Plummer, Univ. Tex. Publ. 4401, 1945, p. 223, pl. 16, figs. 2-5;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of crossroads in N. edge of Algerita, San Saba Co., Tex.
Strawn gr., Middle Pennsylvanian
- 20671 **Hyperamminoides expansus** Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 223, pl. 16, fig. 6;
Marks, Micropal., v. 6, No. 4, 1952, p. 37
Ditch on S. side of San Saba-Rochelle highway 1.55 rd. mi. E. of crossroads in N. edge of Algerita, San Saba Co., Tex.
Smithwick fm., Lower Pennsylvanian
- 854 **Hyria trinitaria** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 83, pl. 13, fig. 2
Cedros Point, N. shore Esperanza Bay, Cedros Ward, W. St. Patrick Co., Trinidad, W. I. lower Pliocene

- 20073 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 1
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20074 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, figs. 2, 5
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20075 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 3
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20076 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 4
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20077 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 6
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20078 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 7
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20079 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 8
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20080 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 9
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20081 **Hyria trinitaria** Maury Hypotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 12, pl. 1, fig. 10
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20109 **Hyria weisbordi** Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 13, pl. 3, figs. 11, 12
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 5073 **Hystriacurus ellipticus** (Cleland) Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 17, pl. 16, figs. 5, 6;
Fisher, G. S. A. Bull., v. 65, No. 1, 1954, p. 87, pl. 4, fig. 12
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
See *Bathyurus ellipticus* Cleland

- 4826 **Icanotia pacifica** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 58, pl. 2, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 3734 **Icanotia peruviana** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 55, pl. 5, fig. 5
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura, Peru
Pananga fm., Aptian-upper Albion
- Iliaenus ovatus** Conrad Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 35, pl. 18, fig. 9 (lost prior to 1937)
Crown Point, Essex Co., N. Y. Champlainian (Middle)
Ordovician
- 4832 **Icanopsis acariformis** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 35, pl. 4, fig. 2; pl. 5, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower-middle zone, Maestrichtian
Type species of *Icanopsis* Olsson, 1944
- 4833 **Icanopsis acariformis** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 35, pl. 4, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 125 **Inoceramus barabini** ? Morton Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 295, pl. 51, fig. 2
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE. Bienville, Bienville Par., La. Upper Cretaceous
- 20162 **Inoceramus labiatus** Schlotheim Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 5, fig. 4
S. side Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., 1st bed above Cogollo fm., Upper Cretaceous
- 4089 **Inoceramus** sp. A Figured specimen
Olsson, B.A.P., v. 28, No. 111, 1944, p. 38, pl. 1, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 4810 **Inoceramus** sp. B Figured specimen
Olsson, B.A.P., v. 28, No. 111, 1944, p. 39, pl. 1, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 5890 **Intrapora fragilis** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 11, pl. 2, fig. 6
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5891 **Intrapora megalopora** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 12, pl. 2, fig. 7

Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian

- 24018 **Iphigenia olssoni** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 19, pl. 4, fig. 2
Río de las Palmas, at a point 20.5 km. S. and 3.1 km. W. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper middle Miocene
- 24019 **Iphigenia olssoni** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 19, pl. 4, figs. 3, 6
Río de las Palmas, at a point 20.5 km. S. and 3.1 km. W. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper middle Miocene
- 2248 **Iphigenia peruviana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 127, pl. 13, fig. 5
Quebrada Charan, Dept. of Tumbes, Peru Zorritos fm., lower Miocene
- 3466 **Isapis myttonis** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 28, pl. 7, fig. 4
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3466a **Isapis myttonis** Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 28 (3 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 24582 **Ischnochiton papillosus** (C. B. Adams) Representative specimen
Perry and Schwengel, 1955, p. 26, pl. 1, fig. 1
Sanibel, Lee Co., Fla. Recent
- 24992 **Isocardia cf. burdigalensis** Deshayes Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 61, pl. 4, fig. 3
Sea cliff, 20 km. N. of Benguela Vehlá (= Port Amboim), Angola Miocene
- 3956 **Isocardia fraterna marylandica** Schoonover Holotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 57, pl. 9, figs. 4, 6
N. of Calvert Beach, Calvert Co., Md. Choptank fm., lower middle Miocene
- 3959 **Isocardia fraterna marylandica** Schoonover Paratype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 57, pl. 10, fig. 4
N. of Calvert Beach, Calvert Co., Md. Choptank fm., lower middle Miocene
- 3961 **Isocardia fraterna marylandica** Schoonover Paratype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 57, pl. 10, fig. 6
S. of Jones Wharf, St. Marys Co., Md. Choptank fm., lower middle Miocene

- 3957 ***Isocardia fraterna* ?*marylandica*** Schoonover Paratype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 57, pl. 9, fig. 5
N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene
- 3958 ***Isocardia markoëi*** Conrad Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 60, pl. 10, figs. 1-3
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 3955 ***Isocardia mazlea*** Glenn Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 60, pl. 9, figs. 1-3
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 69 ***Isocardia mediavia*** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 66, pl. 6, fig. 5
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 3712 ***Isocardia pananga*** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 54, pl. 2, fig. 2
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., near La Brea,
Dept. of Piura, Peru Pananga fm., Aptian-upper Albian
- 3714 ***Isocardia wiedeyi*** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 52, pl. 2, fig. 4
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., near La Brea,
Dept. of Piura, Peru Pananga fm., Aptian-upper Albian
- 3715 ***Isocardia wiedeyi*** Olsson Paratype
Olsson B.A.P., v. 20, No. 69, 1934, p. 52, pl. 2, fig. 5
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., near La Brea,
Dept. of Piura, Peru Pananga fm., Aptian-upper Albian
- Isolepidina* aff. *canelli*** Lemoine and R. Douvillé Hypotypes
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19,
figs. 6, 8 [6-8?] (lost prior to 1937)
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad,
W. I. upper Oligocene
- 6060 ***Isotelus harrisi*** Raymond Syntype
Raymond, Ann. Carn. Mus., v. 3, No. 2, 1905, p. 343, pl. 12,
fig. 5 (?)
Cooperville, N. of Chazy, Clinton Co., N. Y. Chazy ls.,
lower Champlainian, (Middle) Ordovician
- 3808 ***Jacksonaster acunai*** Roig Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 43, pl. 3, fig. 14
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on
rd. to Belen, Camagüey Prov., Cuba upper Eocene
- 3810 ***Jacksonaster acunai*** Roig Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 43, pl. 4, figs. 1, 2, 4
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Eocene

- 3811 **Jacksonaster acunai** Roig Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 43, pl. 4, fig. 3
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Eocene
- 3812 **Jacksonaster sanchezi** Roig Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 46, pl. 4, figs. 5-7
In R. R. cut about 2 km. SE. of Nuevitas R. R. station, Cama-
güey Prov., Cuba upper Eocene
- 3809 **Jacksonaster cf. sanchezi** Roig Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 46, pl. 3, fig. 15
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd.
to Belen, Camagüey Prov., Cuba upper Eocene
- 114 **Keilostoma mediavia** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 116, pl. 12, fig. 8
One half mi. E. of S. McConnico's, 1½ mi. SW. of Palmer's
Mill, Wilcox Co., Ala. Clayton fm., Midway gr., Pal-
eocene
- 25072 **Kionoceras** sp. Figured specimen
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 514, pl. 60, figs. 15, 16
Fig. 15 from ¼ mi. N. of Harding ss. quarry; fig. 16 from an
outcrop between this one and the quarry itself, near Canyon
City, Fremont Co., Colo. Harding ss., Champlainian,
Middle Ordovician
- 1540 **Kipia trinitaria** Harris and F. Hodson Holotype
Harris, and Hodson, F., P. A., v. 1, No. 3, 1922, p. 15, pl. 7, figs.
1-6
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
Type species of *Kipia* Harris and F. Hodson, 1922
- 14917 **Kuphus calamus** (H. C. Lea) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 14965 **Kuphus calamus** (H. C. Lea) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 24839 **Kurtziella atrostyla** (Dall) Representative specimen
Perry and Schwengel, 1955, p. 185, pl. 38, fig. 266
Bradenton Beach, Manatee Co., Fla. Recent
- 24840 **Kurtziella cerinella** (Dall) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 167, pl. 38, fig. 267; Perry
and Schwengel, 1955, p. 185, pl. 38, fig. 267
Sanibel, Lee Co., Fla. Recent
- 24841 **Kurtziella perryae** Bartsch and Rehder Representative specimen
Perry and Schwengel, 1955, p. 185, pl. 38, fig. 268
Tarpon Bay, Sanibel, Lee Co., Fla. Recent

- 20672 **Kyphopyxa christneri** (Carsey) Neotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 41, pl. 6, fig. 7; Plummer, Univ. Tex. Bull. 3101, 1931, p. 168, pl. 12, fig. 9; Marks, Micropal., v. 6, No. 4, 1952, p. 37
Rd. cut at E. end of long bridge over Walnut Cr. and M.K.T. R.R., 6.7 rd. mi. NE. of East Ave. and Manor Rd., Austin, Travis Co., Tex. Taylor gr., Campanian, Upper Cretaceous
See *Frondicularia christneri* Carsey
- 20673- **Kyphopyxa christneri** (Carsey) Neoparatypes
20675 Plummer, Univ. Tex. Bull. 3101, 1931, p. 168, pl. 12, figs. 10-12
Rd. cut at E. end of long bridge over Walnut Cr., and M.K.T. R.R., 6.7 rd. mi. NE. of East Ave. and Manor Rd., Austin, Travis Co., Tex. Taylor gr., Campanian, Upper Cretaceous
See *Frondicularia christneri* Carsey
- 20676- **Kyphopyxa christneri** (Carsey) Neoparatypes
20677 Plummer, Univ. Tex. Bull. 3101, 1931, p. 168, pl. 12, figs. 13, 14
Exposure along cr. close to bridge on old Austin-Manor rd., 0.6 mi. NE. of bridge over Little Walnut Cr., and 5.6 rd. mi. NE. of East Ave. and Manor Rd., Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
See *Frondicularia christneri* Carsey
- 20678- **Kyphopyxa christneri** (Carsey) Neoparatypes
20688 Plummer, Univ. Tex. Bull. 3101, 1931, p. 168, pl. 12, figs. 15, 18
Roadside ditch on W. side of old Austin-Manor rd. 0.15 rd. mi. NE. of bridge over Little Walnut Cr., Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
See *Frondicularia christneri* Carsey
- 20689- **Kyphopyxa christneri** (Carsey) Neoparatypes
20699 Plummer, Univ. Tex. Bull. 3101, 1931, p. 168, pl. 12, figs. 16, 17, 19
Exposure in underpass at R.R. on Dallas-Greenville pike, 5.7 rd. mi. SW. of Rockwall, Dallas Co., Tex. Taylor gr., Campanian, Upper Cretaceous
See *Frondicularia christneri* Carsey
- 21185 **Labiosa lineata** (Say) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 264, pl. 21, fig. 11
Saury Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 2262 **Labiosa (Raeta) undulata** (Gould) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 131, pl. 14, fig. 11
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 24041 **Labiosa (Raeta) undulata** (Gould) Hypotype
Hodson, F., and Hodson, H.K., B.A.P., v. 16, No. 59, 1931, p. 21, pl. 7, fig. 6
Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 2255 **Labiosa (Raeta) undulata gardnerae** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 133, pl. 14, fig. 4

- Quebrada Picos, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 24040 ***Labiosa undulata gardnerae*** Spieker Hypotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 21,
pl. 7, fig. 5
Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 24042 ***Labiosa undulata mirandana*** H. K. Hodson Holotype
Hodson, F., and Hodson, H.K., B.A.P., v. 16, No. 59, 1931, p. 22,
pl. 7, fig. 7
Just N. of oil seep at El Mene de Saladillo, near Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 2461 ***Lacinia alveata*** (Conrad) Hypotype
Tarr, Elementary Geology, Macmillan Co., 1906, p. 439, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3085 ***Lacinia alveata*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 302, pl. 44, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3086 ***Lacinia alveata*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 302, pl. 44, figs. 12, 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3087 ***Lacinia alveata*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 302, pl. 44, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3088 ***Lacinia alveata*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 302, pl. 44, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3084 ***Lacinia claibornensis*** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 303, pl. 44, figs. 6, 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20 ***Laevibuccinum lineatum*** Heilprin Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 97, pl. 9, fig. 15 (*Levibuc-*
cinum)
One mi. W. of Oak Hill P. O., Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 259 ***Laevibuccinum lineatum*** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 52, pl. 6, fig. 12 (*Levibuc-*
cinum)
Woods Bluff, Tombigbee R. Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3083 ***Laevibuccinum lineatum*** Heilprin Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 309, pl. 44, figs. 3, 4

- Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3079 ***Laevibuccinum prorsum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 309, pl. 44, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3080 ***Laevibuccinum prorsum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 309, pl. 44, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3081 ***Laevibuccinum prorsum*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 309, pl. 44, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24654 ***Laevicardium laevigatum*** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 68, pl. 13, fig. 75
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24655 ***Laevicardium mortoni*** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 68, pl. 13, figs. 76a, b
Sanibel, Lee Co. Fla. Recent
- 25320 ***Laevicardium mortoni*** (Conrad) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 3
Sanibel I., Lee Co., Fla. Recent
- 24866 ***Laevicardium pictum*** (Ravenel) Hypotype
Perry and Schwengel, 1955, p. 69, pl. 41, fig. 294
Sanibel, Lee Co., Fla. Recent
- 20295 ***Laevidentalium* sp. 1** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas, No. 190, depth 3960-3975 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20296 ***Laevidentalium* sp. 2** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well La Rosa No. 185, depth 2939-2949 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20297 ***Laevidentalium* sp. 2** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 492, depth 2130-2150 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20298 ***Laevidentalium* sp. 4** Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Punta Benitez No. 146, depth 3534-3545 ft., Bolívar
Coastal Field, Dist. of Bolívar, St. of Zulia, Ven.
La Rosa fm., lower Miocene

- 20299 *Laevidentalium* sp. 5 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Ambrosio No. 67, depth 1055-1056 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 3813 *Laganum cubanum* Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 48, pl. 4, figs. 8, 10
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Cama-
güey Prov., Cuba upper Eocene
- 3814 *Laganum cubanum* Weisbord Paratype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 48, pl. 4, fig. 9
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Cama-
güey Prov., Cuba upper Eocene
- 25206 *Lagena adepta* Jennings, new name Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 24 new name for *L.*
vulgaris Cushman not Williamson
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) [S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) also on specimen
label] Upper Cretaceous
- 22156 *Lagena* (*Entosolenia*?) *carteri* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 330
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22157 *Lagena* (*Entosolenia*?) *carteri* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 330, pl. 39, figs. 13a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22158 *Lagena* (*Entosolenia*?) *carteri* forma *alpha* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 330, pl. 39, fig. 9
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22159 *Lagena dorseyae* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 330, pl. 39, figs. 8a, b
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 25100 *Lagena formosa* Schwager Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 10, pl. 1, fig. 20
Fifty m. SE. entrance gate of Cuban Naval Acad., Mariel,
Pinar del Río Prov., Cuba Oligocene
- 22160 *Lagena globulohispida* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 331
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22161 *Lagena globulohispida* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 331, pl. 39, figs. 7a, b
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene

- 22682 **Lagena hispida** Reuss Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 159, pl. 10, fig. 12 (S-803)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing*, Travis Co., Tex. Cor-
sicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 22162 **Lagena melo** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 331
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22163 **Lagena melo** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 331
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22164 **Lagena melo** (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 331, pl. 39, figs. 12a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22165 **Lagena palmerae** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 332, pl. 39, figs. 6a, b
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 22166 **Lagena palmerae** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 332, pl. 39, figs. 5a, b
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22167 **Lagena palmerae** McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22168 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22169 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22170 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22171 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene

- 22172 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22173 **Lagena pseudosulcata** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 332
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22174 **Lagena pseudosulcata** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 332, pl. 39, figs. 11a-b
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 21716 **Lagena sesquistriata** Baggs Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 9, pl. 2, fig. 8
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22175 **Lagena substriata** Williamson "var." Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 333, pl. 39, figs. 10a, b
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22683 **Lagena sulcata** (Walker and Jacob) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 159, pl. 10, fig. 11
(S-802)
Rt. bank of Shoal Cr., at W. end of 34th St. bridge, Austin,
Travis Co., Tex. Del Rio fm., Washita gr., Lower
Cretaceous
- 25205 **Lagena sulcata semi-interrupta** Berry Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 23
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) of S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 22651 **Lagena watsonae** Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No.
3, 1943, p. 13; not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 4-8)
Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno
Co., Calif. Lodo fm., Paleocene-Eocene
- 21730 **Lamarchkina chapapotensis** Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 14, pl. 2, fig. 16
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 24891 **Lamellaria cochinnella** L. Perry Syntype
Perry and Schwengel, 1955, p. 126, pl. 47, fig. 326
Sanibel, Lee Co., Fla. Recent
- 24893 **Lamellaria koto** Schwengel Paratype
Perry and Schwengel, 1955, p. 127, pl. 47, fig. 328
Bradenton Beach, Manatee Co., Fla. Recent

- 24892 **Lamellaria leucosphaera** Schwengel Paratype
Perry and Schwengel, 1955, p. 126, pl. 47, figs. 327a, b
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 3790 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, fig. 11
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3791 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, figs. 12, 17
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3792 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, fig. 13
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3793 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, fig. 14
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3794 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, fig. 15
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3795 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, figs. 16, 20
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3796 **Lanieria lanieri** (d'Orbigny) Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 20, pl. 1, figs. 18, 19
About 10 km. E. of Madruga, 150 m. NW. of Esperanza switch
on Central San Antonio R.R., E. Habana Prov., Cuba
lower Upper Cretaceous
- 3201 **Lapparia dumosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 386, pl. 62, fig. 1
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 3204 **Lapparia dumosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 386, pl. 62, fig. 3
Montgomery, Red R., Grant Pa., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4772 **Lapparia dumosa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 1

Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene

- 4773 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 2
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4774 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 3
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4775 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 4
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4776 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 9
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4777 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 10
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4778 *Lapparia dumosa* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 403,
pl. 56, fig. 21
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 3202 *Lapparia dumosa exigua* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 386, pl. 62, fig. 2
One half mi. below Gibson Ldg., Ouachita R., Caldwell Par.,
La. Moodys Branch fm., lower Jackson gr., upper
Eocene
- 3203 *Lapparia dumosa exigua* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 386, pl. 62, fig. 5
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4779 *Lapparia dumosa exigua* Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 405,
pl. 56, fig. 5 (typ. error *exigua*)
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4780 *Lapparia dumosa exigua* Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 405,
pl. 56, fig. 6 (typ. error *exigua*)

Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene

- 4781 **Lapparia dumosa exigua** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 405,
pl. 56, fig. 7 (typ. error *exigua*)
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4782 **Lapparia dumosa exigua** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 405,
pl. 56, fig. 8 (typ. error *exigua*)
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 3208 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 8
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3209 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, figs. 9, 14
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129) Stone City beds, middle Claiborne gr., middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3210 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 10
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3211 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 11
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129) Stone City beds, middle Claiborne gr., middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3212 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 12
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3213 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 13
Smithville, Bastrop Co., Tex., Weches fm., middle Claiborne gr., middle Eocene
- 3214 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 15
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129) Stone City beds, middle Claiborne gr., middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3215 **Lapparia mooreana** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 387, pl. 62, fig. 16

Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)

- 3205 **Lapparia pactilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 385, pl. 62, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3206 **Lapparia pactilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 385, pl. 62, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3207 **Lapparia pactilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 385, pl. 62, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24985 **Lathyrus aff. armatus** A. Adams Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 40, pl. 1, fig. 13
Sea Cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 25129 **Laticarinina pauperata** (Parker and Jones) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 29, pl. 4, fig. 9
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 3164 **Latirus extricatus** (Casey) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 344, pl. 54, figs. 16, 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4717 **Latirus humilior cognatus** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 374,
pl. 50, fig. 7
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4718 **Latirus humilior cognatus** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 374,
pl. 50, figs. 11, 12
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4719 **Latirus humilior cognatus** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 374,
pl. 50, fig. 13
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4714 **Latirus humilior jacksonensis** (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 375,
pl. 50, figs. 8, 9
One half mi. below Gibson Ldg., Ouachita R., Caldwell Par.,
La. Moodys Branch fm., lower Jackson gr., upper
Eocene

- 4715 **Latirus humillior urbanus** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 373,
pl. 50, figs. 3, 4
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 4716 **Latirus humillior urbanus** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 373,
pl. 50, figs. 5, 6
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 21016 **Latirus infundibulum** Gmelin Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 107, pl. 8, fig. 10
Pumbri Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21018 **Latirus irazu** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 107, pl. 8, fig. 12
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 4712 **Latirus (Dolicholatirus) leaensis** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 377,
pl. 50, fig. 1
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 4173 **Latirus (Dolicholatirus) leaensis** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 377,
pl. 50, fig. 2
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 3159 **Latirus moorei** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 342, pl. 54, fig. 5
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3160 **Latirus moorei** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 342, pl. 54, fig. 2
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3161 **Latirus moorei** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 342, pl. 54, figs. 9, 10
Smithville, Bastrop Co., Tex. Weches fm., middle
bourne gr., middle Eocene
- 3162 **Latirus moorei** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 342, pl. 54, figs. 14, 18
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle
Claiborne gr., middle Eocene
- 4049 **Latirus penitus** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 64, pl. 8, fig. 10
Quebrada Peñitas, Puntarenas Prov., C. R. Charco
Azul fm., Pliocene

- 3157 *Latirus (Dolicholatirus) perexilis* (Conrad) "var." Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 344, pl. 54, figs. 4, 11
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3163 *Latirus (Dolicholatirus) perexilis* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 344, pl. 54, figs. 13, 15
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2140 *Latirus quercotillaensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 107, pl. 21, fig. 2
Quercotilla, Chira Valley, Dept of Piura, Peru Chira
fm., lower Oligocene
- 2141 *Latirus quercotillaensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 107, pl. 21, fig. 3
Quercotilla, Chira Valley, Dept. of Piura, Peru Chira
fm., lower Oligocene
- 3158 *Latirus sexcostatus* Johnson Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 343, pl. 54, fig. 3
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch, 1902, p.
129) Stone City beds, middle Claiborne gr., middle
Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 20250 ?*Latirus* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 215, depth 3044-3063 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. Lagunillas
fm., middle Miocene
- 21010 *Latirus taurus* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 108, pl. 8, fig. 4
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 251 *Latirus tortilis nanafalius* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 45, pl. 5, fig. 9
Nanafalia Ldg., Tombigbee R., Marengo Co., Ala.
lower Wilcox [Sabine] gr., lower Eocene
- 4949 *Latirus tribulus* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 100, pl. 15, fig. 11
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 126 *Laxispira lumbricalis* Gabb Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 296, pl. 51, fig. 3
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 1835 *Leda africanae* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 26,
pl. 1, figs. 3, 7
Cliffs, just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]

- 1836 **Leda africae** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 26,
pl. 1, fig. 4
Cliffs, just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S1) Quimbriz fm., Eocene [Miocene, Dartevelle
and Roger, 1954]
- 1837 **Leda africae** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 26,
pl. 1, figs. 5, 6
Cliffs, just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S1) Quimbriz fm., Eocene [Miocene, Dartevelle
and Roger, 1954]
- 1844 **Leda africae** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 26
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S1) Quimbriz fm., Eocene [Miocene, Dartevelle
and Roger, 1954]
- 2350 **Leda aldrichiana** (Harris) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 301, pl. 53, fig. 5
Sabinetown, Sabine Co., Tex. Sabinetown fm., upper
Wilcox [Sabine] gr., lower Eocene
- 21159 **Leda balboae** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 173, pl. 18, fig. 15
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24157 **Leda (Ledina) barranca** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 19, pl. 1, fig. 3
Quebrada Barrancas, S. branch Mancora Quebrada, near Cata-
linas, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24159 **Leda (Ledina) barranca** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 19, pl. 1, fig. 6
Quebrada Barrancas S. branch Mancora Que., near Catalinas,
Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24161 **Leda (Ledina) barranca** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 19, pl. 1, fig. 7
Quebrada Barrancas, S. branch Mancora Que. near Catalinas,
Dept. of Piura, Peru Talara fm., lower upper Eocene
- 594 **Leda bastropensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 10
Sabine R., Tex. (See Veatch Survey, 1902, p. 129)
Claiborne gr., middle Eocene
- 595 **Leda bella** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 596 **Leda bella** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 597 **Leda bella** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 598 **Leda bella** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 16
WNW. of Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- Leda bella** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 13 (lost
prior to 1937)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 603 **Leda catasarea** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 66, pl. 25, fig. 5
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 1929 **Leda charanica** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 37, pl. 1, fig. 5
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 1931 **Leda charanica** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 37, pl. 1, fig. 7
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 577 **Leda coelata** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 57, pl. 23, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 578 **Leda coelata** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 57, pl. 23, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 579 **Leda coelata** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 57, pl. 23, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1395 **Leda coelata** (Conrad) Hypotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 6, pl. 1,
fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 1393 **Leda coelatella** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 6, pl. 1, fig. 4
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U. S. 360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 1394 **Leda coelatella** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 6, pl. 1, fig. 5
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U. S. 360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 580 **Leda coelatooides** Harris Holotype
(4237) Harris, B.A.P., v. 6, No. 31, 1919, p. 58, pl. 23, fig. 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
See *Nuculana (Hilgardia) multilineata coelatooides* (Harris)
- 151 **Leda corpulentoides** (Aldrich) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 51, pl. 8, fig. 10
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 152 **Leda corpulentoides** (Aldrich) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 51, pl. 8, fig. 11
Nanafalia Ldg., Tombigbee R., Marengo Co., Ala. lower
Wilcox [Sabine] gr., lower Eocene
- 604 **Leda crassiparva** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, figs. 7, 8
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 605 **Leda crassiparva** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 9
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 21279 **Leda (Adrana) dalliana** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 175, pl. 28, fig. 17
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 21163 **Leda davila**e Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 173, pl. 18, fig. 20
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 149 **Leda elongatoidea** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 50, pl. 8, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 150 **Leda elongatoidea** Aldrich "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 50, pl. 8, fig. 9
Greggs Ldg., Alabama R., Monroe Co., Ala. middle Wilcox [Sabine] gr., lower Eocene

- Leda elongatoidea** Aldrich "var?" Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 55, pl. 4, fig. 10 (lost prior to 1937)
Matthews Ldg., 9 mi. W. of Camden Sec. 12, T. 12 N., R. 6, E., Alabama R., Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 21156 **Leda (Adrana) ensinoides** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 174, pl. 18, fig. 12
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 845 **Leda guppyi** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 22, pl. 12, fig. 3
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
- 844 **Leda illecta** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 22, pl. 12, fig. 2
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
- 590 **Leda magna lisbonensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 63, pl. 24, fig. 5
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 591 **Leda magna lisbonensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 63, pl. 24, fig. 6
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 592 **Leda magna lisbonensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 63, pl. 24, fig. 7
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 593 **Leda magnopsis** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 64, pl. 24, fig. 8
"Rock [Rocky] Swamp", SE. of Springfield, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 599 **Leda media** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 65, pl. 25, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 600 **Leda media** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 65, pl. 25, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 601 **Leda media** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 65, pl. 25, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 602 **Leda media** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 65, pl. 25, fig. 4

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 39 **Leda milamensis** Harris Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 54, pl. 4, fig. 8
One 3/4 mi. N. of or 1 1/3 mi. W. of Crainesville, Hardeman Co.,
Tenn. Midway gr., Paleocene
- 1928 **Leda miradorana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 36, pl. 1, fig. 4
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 1930 **Leda miradorana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 36, pl. 1, fig. 6
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 1934 **Leda miradorana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 36, pl. 1, fig. 10
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 1935 **Leda miradorana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 36, pl. 1, fig. 11
Quebrada Charanal, W. branch about 5 mi. N. of Amotape,
Chira Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 843 **Leda montserratensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 24, pl. 12, fig. 1
One half mi. above Brasso station No. 302, Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. lower Springvale fm.,
upper Miocene
- 581 **Leda multilinea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 58, pl. 23, fig. 11
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 582 **Leda multilinea** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 58, pl. 23, fig. 12
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 586 **Leda opulenta** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 62, pl. 23, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 587 **Leda opulenta** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 62, pl. 23, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 588 **Leda opulenta** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 62, pl. 23, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 589 **Leda opulenta hammetti** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 62, pl. 23, fig. 23
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30 T. 18 N., R. 6 W., about 2 mi.
NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 606 **Leda ozarkola** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 10
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 607 **Leda ozarkola** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 11
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 608 **Leda ozarkola** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 12
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 609 **Leda ozarkola** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 13
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 610 **Leda ozarkola** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 68, pl. 25, fig. 14
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 154 **Leda parva** (Rogers) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 53, pl. 8, fig. 14
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 846 **Leda perlepada** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 26, pl. 12, fig. 4
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 583 **Leda plana** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 60, pl. 23, fig. 14
Seventeen mi. above New Bern, Neuse R., Craven Co., N. C.
"lower Claiborne, middle Eocene", Harris
- 584 **Leda plana** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 60, pl. 23, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 153 **Leda protexta** (Conrad) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 52, pl. 8, fig. 13

- Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 37 *Leda quercollis* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 55, pl. 4, fig. 11
One mi. W. of Oak Hill P. O., Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 21162 *Leda (Adrana) quitanensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 174, pl. 18, fig. 19
Quitana Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 571 *Leda semen* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 56, pl. 23, fig. 1
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 572 *Leda semen* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 56, pl. 23, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 573 *Leda semen* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 56, pl. 23, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 574 *Leda semen* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 56, pl. 23, fig. 4
Six mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 575 *Leda semenoides* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 57, pl. 23, fig. 5
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 576 *Leda semenoides* Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 57, pl. 23, fig. 6
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1951 *Leda* sp. Figured specimen
Olsson, B.A.P., v. 17, No. 63, 1931, p. 38, pl. 2, fig. 15
Quebrada Canoas, Dept. of Tumbes, Peru Mancora fm.,
middle Oligocene
- 1952 *Leda* sp. Figured specimen
Olsson, B.A.P., v. 17, No. 63, 1931, p. 38, pl. 2, fig. 16
Quebrada Canoas, Dept. of Tumbes, Peru Mancora fm.,
middle Oligocene
- 1948 *Leda stewardi* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 36, pl. 2, fig. 12
Ancon Point, SW. Ecuador Ancon Point fm., middle
Oligocene

- 585 **Leda trumani** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 61, pl. 23, figs. 18, 19
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 611 **Leda wautubbeana** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 69, pl. 25, fig. 15
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4846 **Legumen peruvianum** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 58, pl. 6, fig. 12
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 124 **Legumen planulatum** (Conrad) Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 296, pl. 51, fig. 1
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 22543 ?**Leguminocythereis** ?**whitei** Swain Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80, pl. 9, figs. 4a, b
Powell's Lake Spillway, *Pedalion maxillata* bed (bottom bed),
James City Co., Va. Yorktown fm., upper Miocene
- 5240 **Leiopteria cornelli** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 56, pl. 25, fig. 1
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5242 **Leiopteria cornelli** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 56, pl. 25, figs. 3, 10
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 2964 **Leiorhinus prorutus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 247, pl. 31, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2965 **Leiorhinus prorutus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 247, pl. 31, figs. 2, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2966 **Leiorhinus prorutus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 247, pl. 31, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 6041 **Leiorhynchus** cf. **dunbarensis*** Haynes Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 11, pl. 1, figs. 3-5
Lost River Range, 1 mi. E. of Freighter Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 6042 **Leiorhynchus madisonensis gibbosus*** Haynes Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 11, pl. 1, fig. 13

Lost River Range, 1 mi. E. of Freighter Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian

- 14916 **Lemintina granifera** (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14978 **Lemintina granifera** (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 2937 **Lemintina ornata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 209, pl. 28, fig. 9
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2938 **Lemintina ornata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 209, pl. 28, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2939 **Lemintina ornata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 209, pl. 28, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Lenticeras andii** (Gabb) Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 96,
pl. 16, fig. 13 (lost prior to 1937)
Stollmeyer Quarry, about 3 mi. NNE. of Point-a-Pierre, Point-
a-Pierre Ward, NW. Victoria Co., Trinidad, W. I.
Lower Cretaceous
- 25145 **Lenticulina calcar** (Linnaeus) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 11
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 21705a **Lenticulina chapapotensis** Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 1, fig. 14
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21705b **Lenticulina chapapotensis** Cole Paratype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 1, fig. 15
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21735 **Lenticulina convergens** (Bornemann) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 8, pl. 1, figs. 4, 5
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25389 **Lenticulina cf. cushmani** (Galloway and Wissler) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 28, pl. 18, figs. 14, 15 [D.K.P. slide 191.9-18 (26)]
NW end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25189 **Lenticulina degolyeri** (Plummer) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 16
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25091 **Lenticulina formosa** (Cushman) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 11, pl. 1, fig. 11
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar
del Río Prov., Cuba Oligocene
- 21608a **Lenticulina guayabalensis** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 14, pl. 1, fig. 4
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21608b **Lenticulina guayabalensis** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 14, pl. 1, fig. 3
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25095 **Lenticulina papillosa** (Fichtel and Moll) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 11, pl. 1, fig. 15
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 22661 **Lenticulina rotulata** (Lamarck) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 142, pl. 11, fig. 20
(S-782)
Rt. bank Onion Cr., near bridge at Moore and Berry's Crossing,
8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Upper Cretaceous
- 25391 **Lenticulina subaculeata yumuriana** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 130, pl. 18, fig. 12 [D.K.P. slide 191.9-18 (28)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25390 **Lenticulina cf. submamilligera** (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 129, pl. 18, figs. 16, 17 [D.K.P. slide 191.9-26 (10)] (missing
prior to 1958)
Tejar "Yumurí" about 250 m. N. of bend in rd. at NW. end of
Yumurí Gorge, Matanzas Prov., Cuba Cojimar fm.,
Oligocene [Miocene, Cole, 1958, p. 222]
- 25146 **Lenticulina subpapillosa** (Nuttall) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 12
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 21618 **Lenticulina theta** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 14, pl. 1, fig. 17
Twelve km., W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene

- 21832 **Lepidocyclina bontourana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 2
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21834 **Lepidocyclina bontourana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 4
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21835 **Lepidocyclina bontourana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 5
Point Bontour, San Fernando, W. Naparima Ward, W. Victoria Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21856 **Lepidocyclina (Polylepidina?) churugaritana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 27, pl. 7, fig. 7
In pit 2 km. S. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 21857 **Lepidocyclina (Polylepidina?) churugaritana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 27, pl. 7, fig. 8
S. 2. km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 25063 **Lepidocyclina gigas** Cushman "var." Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, fig. 21
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene
- 25064 **Lepidocyclina gigas** Cushman "var." Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, fig. 22
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene
- Lepidocyclina gigas** Cushman "var." Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, figs. 23, 24 (lost prior to 1937)
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene
- 21831 **Lepidocyclina hubbardi** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 1
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)

- 21833 **Lepidocyclus hubbardi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 3
E. 7.8 km. and S. 1.3 km. from Churugarito*, Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21837 **Lepidocyclus hubbardi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 7
E. 7.8 km. and S. 1.3 km. from Churugarito*, Dist. of Miranda,
St. of Zulia, Ven. Churugarito fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21840 **Lepidocyclus hubbardi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 21, pl. 5, fig. 11
E. 7.8 km. and S. 1.3 km. from Churugarito*, Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21836 **Lepidocyclus hubbardi aurarensis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 23, pl. 5, figs. 6, 9
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia,
Ven. Churugarito* fm., upper Eocene
- 21838 **Lepidocyclus hubbardi aurarensis** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 23, pl. 5, fig. 8
E. 7.8 km. and S. 1.3 km. from Churugarito*, Dist. of Miranda,
St. of Zulia, Ven. Churugarito* fm., upper Eocene
- 21839 **Lepidocyclus hubbardi bolivarensis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 22, pl. 5, fig. 10;
pl. 6, fig. 1
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia,
Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 25487 **Lepidocyclus (Amphilepidina) inhambanensis** H. K. Hodson
Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 1, figs. 2, 6
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane,
Dist. of Inhambane, Port. E. Africa (Mozambique)
Aquitania or Burdigalian Miocene
- 25490 **Lepidocyclus (Amphilepidina) inhambanensis** H. K. Hodson
Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 1, fig. 5
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane,
Dist. of Inhambane, Port. E. Africa, (Mozambique)
Aquitania or Burdigalian Miocene
- 25491 **Lepidocyclus (Amphilepidina) inhambanensis** H. K. Hodson
Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 2, fig. 1
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane,
Dist. of Inhambane, Port. E. Africa, (Mozambique)
Aquitania or Burdigalian Miocene
- 25492 **Lepidocyclus (Amphilepidina) inhambanensis** H. K. Hodson
Holotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 2, fig. 2

Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa, (Mozambique)
Aquitanian or Burdigalian Miocene

- 25493 **Lepidocyclina (Amphilepidina) inhambanensis** H. K. Hodson
Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 2, fig. 3
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa, (Mozambique)
Aquitanian or Burdigalian Miocene
- 25494 **Lepidocyclina (Amphilepidina) inhambanensis** H. K. Hodson
Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 3, pl. 3, fig. 1
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa, (Mozambique)
Aquitanian or Burdigalian Miocene
- 21844 **Lepidocyclina (Nephrolepidina) kochi** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 5
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21848 **Lepidocyclina (Nephrolepidina) kochi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 9
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21849 **Lepidocyclina (Nephrolepidina) kochi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 10
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene (See Vaughan and Cole, 1941, p. 65)
- 21841 **Lepidocyclina maracaibensis** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 2
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21842 **Lepidocyclina maracaibensis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 3
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21843 **Lepidocyclina maracaibensis** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 24, pl. 6, fig. 4
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21853 **Lepidocyclina (Polylepidina) mirandana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 26, pl. 7, fig. 4
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21854 **Lepidocyclina (Polylepidina) mirandana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 26, pl. 7, fig. 5

Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene

- 21855 **Lepidocyclus (Polylepidina) mirandana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 26, pl. 7, fig. 6
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene

- 25060 **Lepidocyclus cf. morgani** Lemoine and R. Douvillé Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, fig. 14
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene

Lepidocyclus cf. morgani Lemoine and R. Douvillé Hypotypes
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, figs. 11-13, 15, 16 (lost prior to 1937)
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene

- 25061 **Lepidocyclus perundosa morugensis** Harris Syntype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, figs. 17, 18
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene

- 25062 **Lepidocyclus perundosa morugensis** Harris Syntype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, fig. 19
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene

Lepidocyclus perundosa morugensis Harris Syntype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19, fig. 20, (lost prior to 1937)
Mejias Quarry, central Moruga Ward, S. Victoria Co., Trinidad, W. I. upper Oligocene

- 25139 **Lepidocyclus subglobosa** Nuttall Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 30, pl. 5, fig. 10
R. R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R. R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene

- 21830 **Lepidocyclus trinitatis** H. Douvillé Hypotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 19, pl. 4, fig. 10
Point Bontour, San Fernando, W. Naparina Ward, W. Victoria Co., Trinidad, W. I. Mount Moriah fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)

- 21825 **Lepidocyclus trinitatis caribbeanensis** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 20, pl. 4, fig. 5
E. 7.8 km. and S. 1.3 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven. Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)

- 21829 **Lepidocyclus trinitatis venezuelana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 20, pl. 4, fig. 9

S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)

- 21845 **Lepidocyclina weeksi** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 23, pl. 6, fig. 6
S. 2 km. from Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21846 **Lepidocyclina weeksi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 23, pl. 6, fig. 7
In pit 2.5 km. E. and 1.3 km. S. of Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21847 **Lepidocyclina weeksi** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 23, pl. 6, fig. 8
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
(See Vaughan and Cole, 1941, p. 65)
- 21850 **Lepidocyclina (Polylepidina) zuliana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 25, pl. 7, fig. 1
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21851 **Lepidocyclina (Polylepidina) zuliana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926 p. 25, pl. 7, fig. 2
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 21852 **Lepidocyclina (Polylepidina) zuliana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 25, pl. 7, fig. 3
Ridge at Churugarito*, Dist. of Miranda, St. of Zulia, Ven.
Churugarito* fm., upper Eocene
- 5468 **Leptaena boyaca** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5469 **Leptaena boyaca** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, figs. 5, 6
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5470 **Leptaena boyaca** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, fig. 7; pl. 10, fig. 1 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5471 **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, fig. 8
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5471a **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 10, figs. 2, 3
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5472 **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, figs. 9, 10
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5473 **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5474 **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, figs. 11, 12
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5474a **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19 (missing prior to 1956)
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5475 **Leptaena boyaca** Caster Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 19, pl. 1, fig. 13
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Sosa and Corales, Dept. of Boyaca, Col. Floresta series,
 Middle Devonian
- 5981 **Leptaena rhomboidalis** (Wilckens) Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 57, pl. 4, fig. 4
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 5238 **Leptodesma carinifera** Caster Holotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 54, pl. 24, fig. 3
 One half mi. from Mt. Jewett on road to Smethport, McKean
 Co., Pa. Knapp fm., ("Oil Lake series", Caster, 1934),
 Lower Mississippian

- 6048 **?Leptodesma chillensis** Baldwin Holotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 15, pl. 1, fig. 1
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 6049 **?Leptodesma chillensis** Baldwin Paratype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 15, pl. 1, fig. 2
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 5283 **Leptodesma mentor** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 49, pl. 24, fig. 5
Bradford, McKean Co., Pa. "From a flat pebble cgl.,"
Salamanca ?, Conewango stage, Upper Devonian
- 5237 **Leptodesma mentor alpha** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 53, pl. 24, fig. 2
One half mi. from Mt. Jewett on road to Smethport, McKean
Co., Pa. Knapp fm., ("Oil Lake series", Caster, 1934),
Lower Mississippian
- 5233 **Leptodesma mentor maxima** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 53, pl. 23, fig. 4
"Devil's Den", S. of Smethport, McKean Co., Pa. Knapp
fm., ("Oil Lake series", Caster, 1934), Lower Mississippian
- 5236 **Leptodesma mentor maxima** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 53, pl. 24, figs. 1, 4, 6
"Devil's Den", S. of Smethport, McKean Co., Pa. Knapp
fm., ("Oil Lake series", Caster, 1934), Lower Mississippian
- 5300 **Leptodesma mentor ?maxima** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 53, pl. 41, fig. 12
"Devil's Den", S. of Smethport, McKean Co., Pa. Knapp
fm., ("Oil Lake series", Caster, 1934), Lower Mississippian
- 5232 **Leptodesma mentor sulcata** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 51, pl. 23, fig. 2
"Devil's Den", S. of Smethport, McKean Co., Pa. Knapp
fm., ("Oil Lake series", Caster, 1934), Lower Mississippian
- 5239 **Leptodesma mentor sulcata** Caster Syntypes
Caster, B.A.P., v. 15, No. 58, 1930, p. 51, pl. 24, fig. 7 (2 speci-
mens, original and natural mold)
One half mi. from Mt. Jewett on road to Smethport, McKean
Co. Pa. Knapp fm., ("Oil Lake series", Caster, 1934),
Lower Mississippian
- 5269 **Leptodesma mytiliforme** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 43, pl. 40, fig. 9
N. boundary of Smethport, 10 ft. above Roosevelt highway,
McKean Co., Pa. Chadakoin, Cassadaga stage, Chautau-
quan series, Upper Devonian
- 5288 **Leptodesma potens** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 45, pl. 41, fig. 3
Panama, Chautauqua Co., N. Y. Chemung stage, Sene-
can series, Upper Devonian

- 5290 **Leptodesma ruedemanni** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 54, pl. 41, fig. 1
"Devil's Den", S. of Smethport, McKean Co., Pa. Knapp
fm., ("Oil Lake series", Caster, 1934), Lower Mississippian
- 5291 **Leptodesma stephani** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 46, pl. 41, fig. 2
Near Bradford, McKean Co., Pa. Upper Chemung stage,
Senecan series, Upper Devonian
- 5295 **Leptodesma stephani** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 46, pl. 41, fig. 7
One mi. E. of Stoneham, Warren Co., Pa. Conewango
stage, Upper Devonian
- 6028 **?Leptodomus ulrichi** Clarke Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 75, pl. 8, fig. 8
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of
Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 24316 **Leptophyllia sanchezroigii** Wells Holotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 9, pl. 1, figs. 3, 3a, 3c
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 24351 **Leptophyllia sanchezroigii** Wells Paratype
Wells, B.A.P., v. 26, No. 97, 1941, p. 9
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
Cuba Upper Cretaceous
- 5987 **Leptostrophia (Rhytistrophia) caribbeana** Weisbord Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 57, pl. 4, fig. 9
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 5983 **Leptostrophia concinna** (Morris and Sharpe) Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 57, pl. 4, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 2588a **Leptosurcula beadata** (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 80, pl. 13, fig. 30
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2588b **Leptosurcula beadata** (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 80, pl. 13, fig. 31
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 4114 **?Leucosyrinx buricana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 57, pl. 12, fig. 3 (not
5014 as in text)

Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene

- 20949 **Leucosyrinx chloris** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 59, pl. 5, fig. 19
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 4113 **Leucosyrinx nicoya** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 57, pl. 12, fig. 2 (not
5013 as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 24811 **Leucozonia cingulifera** (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 170, pl. 35, fig. 239
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 5927 **Leurocycloceras bucheri** Flower Paratype
Flower, Amer. Jour. Sci., v. 239, No. 7, 1941, p. 477, pl. 2, fig. 5
Two mi. E. of Westport, Decatur Co., Ind. Laurel ls.,
Niagaran, Middle Silurian
- 5927a **Leurocycloceras bucheri** Flower Holotype
Flower, Amer. Jour. Sci., v. 239, No. 7, 1941, p. 477, pl. 3, fig. 4
Two mi. E. of Westport, Decatur Co., Ind. Laurel ls.,
Niagaran, Middle Silurian
- 5928 **Leurocycloceras bucheri** Flower Paratype
Flower, Amer. Jour. Sci., v. 239, No. 7, 1941, p. 477, pl. 2, fig. 4
Two mi. E. of Westport, Decatur Co., Ind. Laurel ls.,
Niagaran, Middle Silurian
- 5929 **Leurocycloceras bucheri** Flower Paratype
Flower, Amer. Jour. Sci., v. 239, No. 7, 1941, p. 477, pl. 3, fig. 2
Two mi. E. of Westport, Decatur Co., Ind. Laurel ls.,
Niagaran, Middle Silurian
- 5930 **Leurocycloceras bucheri** Flower Paratype
Flower, Amer. Jour. Sci., v. 239, No. 7, 1941, p. 477, pl. 3, figs.
1, 3
Two mi. E. of Westport, Decatur Co., Ind. Laurel ls.,
Niagaran, Middle Silurian
- 4710 **Levifusus branneri** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 371,
pl. 49, fig. 12
Locality unknown Jackson gr., upper Eocene
- 4711 **Levifusus branneri** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 371,
pl. 49, fig. 13
Locality unknown Jackson gr., upper Eocene
- 23 **?Levifusus dalei** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 96, pl. 9, fig. 12
Dale's Branch near Oak Hill, Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene

- 4120 **Levifusus fulguriparens** Maury Holotype
 Maury, Amer. Jour. Sci., v. 27, No. 160, Art. 27, (s. 4), 1909,
 p. 335, text fig.; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2,
 1947, p. 370, pl. 49, figs. 7, 8
 Creole Bluff, Montgomery, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 21 **Levifusus hubbardi** Harris Holotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 95, pl. 9, fig. 11
 One half mi. N. of Ripley, Tippah Co., Miss. Midway
 gr., Paleocene
- 283 **Levifusus indentus** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 52 pl. 7, fig. 1; Harris, La.
 Geol. Surv. Rpt. 1899, p. 306, pl. 54, fig. 8
 Nanafalia Ldg., Tombigbee R., Marengo Co., Ala.
 lower Wilcox [Sabine] gr., lower Eocene
- 3119 **Levifusus irrasus** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 331, pl. 49, fig. 6
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3120 **Levifusus irrasus** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 331, pl. 49, figs. 9, 10
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3118 **Levifusus irrasus hodsoni** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 333, pl. 49, figs. 4, 5
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 3884 **Levifusus mallacus** Olsson Holotype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 26, pl. 7, figs. 1, 2
 Quebrada Salado, about 10 mi. NE. of Talara, Dept. of Piura,
 Peru Restin fm., middle Eocene
- 4705 **Levifusus moodianus** Cooke Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 372,
 pl. 49, figs. 1, 2
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 3115 **Levifusus mortoni** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 329, pl. 49, figs. 1, 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3116 **Levifusus mortoniopsis** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 330, pl. 49, figs. 7, 8
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 3117 **Levifusus mortoniopsis** (Gabb) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 330, pl. 49, fig. 12
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)

- 3121 **Levifusus mortoniopsis carexus** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 331, pl. 49, figs. 13, 14
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 4708 **Levifusus mortoniopsis carexus** (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 369,
pl. 49, figs. 9, 10
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 3122 **Levifusus pagoda** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 333, pl. 50, figs. 1, 4
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3125 **Levifusus pagoda** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 333, pl. 50, figs. 5, 8
Hammett's Branch, SW. ¼ Sec. 30, T. 18 N., R. 6 W., about 2
mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- Levifusus pagoda** (Heilprin) "var." Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 93, pl. 9, fig. 8
(lost prior to 1937)
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Midway
gr., Paleocene
- 3123 **Levifusus pagoda prepagoda** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 335, pl. 50, fig. 2
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3124 **Levifusus pagoda prepagoda** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 335, pl. 50, fig. 3
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par. La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3126 **Levifusus pagoda prepagoda** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 335, pl. 50, figs. 7, 9
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20176 **?Levifusus** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1661
N. side of road between Puente Gomez and Casa del Zinc, 700
m. W. of junc. with road to Chejendé, Carache R. Valley, Dist.
of Carache, St. of Trujillo, Ven. Trujillo fm., middle
Eocene
- 258 **Levifusus supraplanus** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 50, pl. 6, fig. 9; Harris,
La. Geol. Surv. Rpt., 1899, p. 306, pl. 54, fig. 9
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene

- 19 **Levifusus suteri** Aldrich Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 94, pl. 9, fig. 9
 One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
 upper Midway gr., Paleocene
- 3130 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, fig. 1
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3131 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, figs. 2, 4
 Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
 borne gr., middle Eocene
- 3132 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, fig. 7
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3133 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, fig. 9
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3134 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, figs. 5, 11
 Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
 Tex. Stone City beds, middle Claiborne gr., middle
 Eocene
- 3137 **Levifusus trabeatoides** Harris Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 327, pl. 51, fig. 8
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3135 **Levifusus trabeatus** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 326, pl. 51, fig. 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3136 **Levifusus trabeatus** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 326, pl. 51, figs. 6, 12
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 465 **Lima harrisiana** Aldrich Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 29, pl. 16, fig. 1
 Winn Par., La., Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
- 466 **Lima harrisiana** Aldrich Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 29, pl. 16, fig. 2
 Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene

- 24610 **Lima inflata** (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 50, pl. 6, fig. 31
San Carlos Bay, Lee Co., Fla. Recent
- 222 **Lima ozarkana** Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 43, pl. 6, fig. 12
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 3743 **Lima (Plagiostoma) pananga** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 33, pl. 7, fig. 1
Pan de Azucar, lat 4° 36' S., long 81° 6' W., Dept. of Piura, Peru
Pananga fm., Aptian-upper Albian
- 3744 **Lima (Plagiostoma) pananga** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 33, pl. 7, fig. 2
Pan de Azucar, lat 4° 36' S., long 81° 6' W., Dept. of Piura, Peru
Pananga fm., Aptian-upper Albian
- 29 **Lima pelagica** (Morton) Hypotype
Harris, La. Geol. Surv. Rpt. 1899, p. 294, pl. 49, fig. 5
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE. Bienville, Bienville Par., La. Upper Cretaceous
- 20131 **Lima** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 24461 **Lima** sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 11, pl. 6, fig. 1
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24458 **Lima tricineta** Harris Holotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 11, pl. 5, fig. 6
Armena Lime Mines, 10 mi. W. of Albany, Dougherty Co., Ga.
"Ocala ls.", Jackson gr., upper Eocene
- 24459 **Lima vicksburgiana** Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 11, pl. 5, fig. 7
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24460 **Lima vicksburgiana** Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 11, pl. 5, fig. 8
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 21274 **Limaea solida** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 209, pl. 28, fig. 10
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 489 **Limopsis aviculoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 1
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-

borne gr., middle Eocene

Limopsis aviculoides mauricensis Harris, 1946

- 490 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 2
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 491 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 3
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Limopsis aviculoides mauricensis* Harris
- 492 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 4
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Limopsis aviculoides mauricensis* Harris
- 493 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 5
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Limopsis aviculoides mauricensis* Harris
- 494 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 495 ***Limopsis aviculoides* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 7; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51, pl. 12,
fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 491 ***Limopsis aviculoides mauricensis* Harris** Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 3; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51, pl. 12,
fig. 18
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Limopsis aviculoides* (Conrad)
- 492 ***Limopsis aviculoides mauricensis* Harris** Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 4; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51, pl. 12,
fig. 19
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Limopsis aviculoides* (Conrad)
- 493 ***Limopsis aviculoides mauricensis* Harris** Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 36, pl. 18, fig. 5; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-

borne gr., middle Eocene
See *Limopsis aviculoides* (Conrad)

- 21251 ***Limopsis monilis*** Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 177, pl. 26, figs. 23, 24
Old Man Sam Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 4212 ***Limopsis radiata*** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51,
pl. 12, fig. 13
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4213 ***Limopsis radiata*** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51,
pl. 12, fig. 14
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4214 ***Limopsis radiata*** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51
pl. 12, figs. 15, 16
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4216 ***Limopsis radiata*** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51,
pl. 13, fig. 1
Gibson Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4217 ***Limopsis radiata*** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 51,
pl. 13, fig. 2
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 6021 ***Limoptera tenuis*** Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 71, pl. 8, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 3740 ***Linearia bomarea*** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 56, pl. 6, fig. 4
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 7 ***Linearia metastriata*** Conrad Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 296, pl. 50, fig. 7
Rayburn's Salt Works, Sec. 24 T. 15 N., R. 5 W., 10 mi. SE.
of Bienville, Bienville Par., La. Upper Cretaceous
- 24646 ***Linga amiantus*** (Dall) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 58, pl. 11, fig. 67; Perry
and Schwengel, 1955, p. 65, pl. 11, fig. 67
Sanibel, Lee Co., Fla. Recent
See *Lucina amiantus* Dall

- 24864 **Linga multilineata** (Tuomey and Holmes) Representative specimen
Perry and Schwengel, 1955, p. 64, pl. 40, fig. 291
Sanibel, Lee Co., Fla. Recent
- 24925 **Linga trisulcata** (Conrad) Hypotype
Perry and Schwengel, 1955, p. 65, pl. 45, fig. 312
Bradenton Beach, Manatee Co., Fla. Recent
- 5056 **Lingula brainerdi** Raymond Syntype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 36, pl. 18, fig. 2
Crown Point, Essex Co., N. Y. Chazy ls., Chazyan,
lower Champlainian (Middle) Ordovician
- 5057 **Lingula brainerdi** Raymond Syntype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 36, pl. 18, fig. 3
Crown Point, Essex Co., N. Y. Chazy ls., Chazyan,
lower Champlainian (Middle) Ordovician
- 21612 **Lingulina mexicana** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 19, pl. 1, fig. 9
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 5373 **Liomphalus multiseptarius** (Cleland) Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 11, pl. 15, fig. 2; Fisher, G. S. A. Bull., v. 65, No. 1, 1954, p. 87, pl. 4, fig. 4
Ft. Hunter, Montgomery Co., N. Y. "Calceiferous",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
See *Ecculiomphalus multiseptarius* Cleland
- 3706 **Liothyrina peruviana** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 25, fig. 2
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3707 **Liothyrina peruviana** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 25, fig. 3
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3708 **Liothyrina peruviana** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 25, fig. 4
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 3709 **Liothyrina peruviana** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 101, pl. 25, fig. 5
Near Lagunitos,* Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 1387 **Liotia granulata** (Lea) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 99, pl. 12, fig. 17
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 24493 **Lirodiscus jacksonensis** Meyer Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 20, pl. 10, fig. 5
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 680 **Lirodiscus (Crustuloides) psychopterus** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 89, pl. 32, fig. 1b
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
Type species of *Crustuloides* Harris, 1919
- 677 **Lirodiscus smithvillensis** (Harris) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 89, pl. 31, fig. 17
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 678 **Lirodiscus smithvillensis** (Harris) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 89, pl. 31, fig. 18
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 679 **Lirodiscus smithvillensis** (Harris) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 89, pl. 31, fig. 19
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 681 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 682 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 683 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 684 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 685 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 686 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 9; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 78, pl. 18,
fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 687 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 688 **Lirodiscus tellinoides** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 90, pl. 32, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4295 **Lirodiscus tellinoides scutellaria** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 78,
pl. 18, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. *Scutella*
bed, lower Jackson gr., upper Eocene
- 295 **Lirodiscus virginianus** Van Winkle Holotype
Van Winkle, B.A.P., v. 8, No. 36, 1921, p. 8, pl. 1, fig. 1
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U. S. route 360, Hanover Co., Va. Nanjemoy fm., lower
Eocene
- 6063 **Lirofusus ashleyi** Arnold Paratype (plastotype)
Arnold, U. S. Nat. Mus. Proc., v. 34, 1908, p. 372
E. branch of N. fork Waddell Cr., Big Basin, Santa Cruz Co.,
Calif. San Lorenzo fm., Oligocene
- 3149 **Lirofusus thoracicus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 348, pl. 53, figs. 1, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3150 **Lirofusus thoracicus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 348, pl. 53, figs. 2, 12
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3151 **Lirofusus thoracicus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 348, pl. 53, fig. 5
Indian Mound, 3 mi. E. of Newton, on A. and V. R. R., Newton
Co., Miss. Cook Mt. fm., upper Claiborne gr., middle
Eocene
- 3516 **Lirosoma sulcosa multicostata** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 7, pl. 5, fig. 13
Kings Mill or Grove Wharf, James City Co., Va. York-
town fm., upper Miocene
- 3046 **Lisbonia expansa** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 295, pl. 40, fig. 8
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
Type species of *Lisbonia* Palmer, 1937
- 3047 **Lisbonia expansa** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 295, pl. 40, figs. 12, 13
Exact locality unknown, Ala. Cook Mt. fm., upper
Claiborne gr., middle Eocene

- 25385 **Listerella cojimarensis** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 123, pl. 18, fig. 5 [D.K.P. slide 191.9-18 (15)]
Upper beds at Tejar "Zayas" about .25 km. N. of Carretera
Central just E. of junc. with Corral Nuevo-Matanzas rd.,
Matanzas Prov., Cuba Cojimar fm., Oligocene [Mio-
cene, Cole, 1958, p. 222]
- 25386 **Listerella cf. pertosa** Cushman and Bermudez Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 124, pl. 18, fig. 1 [D.K.P. slide 191.9-18 (9)]
Upper beds at Tejar "Zayas" about .25 km. N. of Carretera
Central just E. of junc. with Corral Nuevo-Matanzas rd.,
Matanzas Prov., Cuba Cojimar fm., Oligocene [Mio-
cene, Cole, 1958, p. 222]
- 6059a-c **Litharca lithodomus** (Sowerby) Topotype
Frizzell, Jour. Pal., v. 20, No. 1, 1946, p. 45 ("one of insti-
tutions in U.S.A.", deposited by author)
One-3 km. W. of Manta, Prov. of Manabi, W. Ecua.
Recent
- 57 **Lithodomus gainesensis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 50, pl. 3, fig. 7
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 58 **Lithodomus gainesensis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 50, pl. 3, fig. 7a
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 24862 **Lithophaga antillarum** (d'Orbigny) Hypotype
Perry and Schwengel, 1955, p. 54, pl. 40, figs. 289a, b
Key Vaca, Florida Keys, Monroe Co., Fla. Recent
- 24622 **Lithophaga aristata** (Dillwyn) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 48, pl. 8, fig. 44; Perry
and Schwengel, 1955, p. 55, pl. 8, fig. 44
Sanibel, Lee Co., Fla. Recent
- 24621 **Lithophaga bisulcata** (d'Orbigny) Representative specimen
Perry and Schwengel, 1955, p. 55, pl. 8, fig. 43
In coral 6 fm. off Sanibel, Lee Co., Fla. Recent
- 1372 **Lithophaga pectinicola** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 26, pl. 3, fig. 2
Yorktown, York Co., Va. Yorktown fm., upper Miocene
- 3491 **Lithophaga yorkensis** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 13, pl. 2, figs. 5, 6
Bellefield, York Co., Va. Yorktown fm., upper Miocene
- 3493 **Lithophaga yorkensis** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 13, pl. 2, fig. 10
Bellefield, York Co., Va. Yorktown fm., upper Miocene
- 20023 **Lithophysema grande** (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 455,
pl. 64, fig. 23

Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene

- 3398 **Lithophysema grande** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 484, pl. 76, fig. 6
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody Branch fm., lower Jackson gr., upper Eocene
- 3399 **Lithophysema grande** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 484, pl. 76, fig. 7
Angelina R., 2 mi. above Marion, Angelina Co., Tex.
middle Claiborne gr., middle Eocene [Jackson Eocene fossil]
- 3400 **Lithophysema grande** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 484, pl. 76, figs. 8, 9
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 24753 **Littorina angulifera** (Lamarck) Representative specimen
Perry and Schwengel, 1955, p. 134, pl. 25, fig. 180
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 5925 **Littorina littorea** Linnaeus Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 362, fig. 76
Maine Coast Recent
- 24752 **Littorina mesphillum** (Megerle von Mühlfeld) Representative specimen
Perry and Schwengel, 1955, p. 134, pl. 25, fig. 179
Sanibel, Lee Co., Fla. Recent
- 24402 **Lophosmilla yabei** Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 13, pl. 2, figs. 3, 3a, 3b
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 2205 **Loripinus (Pegophysema) sechura** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 92, pl. 7, fig. 6
Quebrada Montera, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2206 **Loripinus (Pegophysema) sechura** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 92, pl. 7, fig. 8
Quebrada Montera, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 22499 **Loxococoncha purisubrhomboides** Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 71, pl. 7, figs. 4a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22500 **Loxococoncha purisubrhomboides** Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 71, pl. 7, figs. 4c, d, e
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22501 **Loxococoncha purisubrhomboides** Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 71

- Moore House Beach, 4 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 22502 ***Loxococoncha parisubrhomboides*** Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 71
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22503 ***Loxococoncha parisubrhomboides*** Edwards Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 71
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22504 ***Loxococoncha reticularis*** Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 72, pl. 7, figs. 5a, b
Fort Eustis Well, depth 37-101 ft., City of Warwick (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22505 ***Loxococoncha reticularis*** Edwards Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 72
Fort Eustis Well, depth 135-160 ft., City of Warwick (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 25426 ***Loxostomum limbatum costatum*** (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 301, pl. 51, fig. 11; *ibid.* v. 15, No. 3, 1941, p. 303 [D.K.P. slide 191.9-19 (74)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25427 ***Loxostomum mayori*** (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 302, pl. 51, fig. 13; *ibid.* v. 15, No. 3, 1941, p. 303 [D.K.P. slide 191.9-18 (75)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20700 ***Loxostomum plaikum*** (Carsey) Neotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 26, pl. 4, fig. 2 (as *Bolivina plaika*); Plummer, Univ. Tex. Bull. 3101, 1931, p. 182, pl. 10, fig. 5 (as *Loxostoma plaikum*)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing*, Travis Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
See *Bolivina plaika* Carsey
- 20701 ***Loxostomum plaikum*** (Carsey) Neoparatype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 182, pl. 10, fig. 6 (as *Loxostoma plaikum*)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing*, Travis Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25222 ***Loxostomum plaikum*** (Carsey) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 31 (as *Loxostoma plaikum*)
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous

- 22300 *Loxostomum wilsoni* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 348
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22301 *Loxostomum wilsoni* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 348, pl. 45, figs. 5a, b
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 24713 *Lucapina adspersa* (Philippi) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 98, pl. 21, fig. 133
Four-six fm. off Sanibel, Lee Co., Fla. Recent
See *Lucapina suffusa* (Reeve)
- 24714 *Lucapina cancellata* Sowerby Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 99, pl. 21, fig. 134
Sanibel, Lee Co., Fla. Recent
See *Diodora meta* (von Ihering)
- 24713 *Lucapina suffusa* (Reeve) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 98, pl. 21, fig. 133; Perry
and Schwengel, 1955, p. 106, pl. 21, fig. 133
Four-six fm. off Sanibel Lee Co., Fla. Recent
See *Lucapina adspersa* (Philippi)
- 3472 *Lucapinella cornelliana* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 32, pl. 8, fig. 5
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 24715 *Lucapinella limatula* (Reeve) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 99, pl. 21, fig. 135; Perry
and Schwengel, 1955, p. 106, pl. 21, fig. 135
Sanibel, Lee Co., Fla. Recent
- 24646 *Lucina amiantus* Dall Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 58, pl. 11, fig. 67
Sanibel, Lee Co., Fla. Recent
See *Linga amiantus* (Dall)
- Lucina (Illesca) andersoni* (Olsson)
Olsson, B.A.P., v. 19, No. 68, 1932, p. 90, pl. 7, fig. 7. (Indet. fig.
of holotype P. R. I. 24167 or additional specimen, no record or
specimen found)
Probably Yasila, Dept. of Piura, Peru (no locality given)
Talara fm., lower upper Eocene
Type species for *Illesca* Olsson, 1932
- 732 *Lucina carinifera* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 37, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 733 *Lucina carinifera* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 37, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 734 *Lucina carinifera* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 37, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4099 *Lucina (Lucinoma) chiripanica* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 36, pl. 4, fig. 1
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4100 *Lucina (Lucinoma) chiripanica* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 36, pl. 4, fig. 4 (not 5000
as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 766 *Lucina claibornensis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 8
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 767 *Lucina claibornensis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 9
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 768 *Lucina claibornensis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 9a
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 72 *Lucina claytonia* Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 69, pl. 6, fig. 10
R.R. cut $1\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 74 *Lucina claytonia* Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 69, pl. 6, fig. 10a
R.R. cut $1\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 3847 *Lucina corbula* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 8, pl. 1, fig. 7
Quebrada Conventus, between La Breita and Fernandez in
upper Mancora Valley, Dept. of Tumbes, Peru Restin
fm., middle Eocene
- 4325 *Lucina (Myrtea?) curta* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 19, fig. 19
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4326 *Lucina (Myrtea?) curta* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 19, figs. 20, 21
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene

- 4327 **Lucina (Myrtea?) curta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 19, fig. 22
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4328 **Lucina (Myrtea?) curta** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 19, fig. 23
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 726 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 727 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 728 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 729 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 19a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 730 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 731 **Lucina dolabra** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 111, pl. 37, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24645 **Lucina floridana** Conrad Representative specimen
Perry and Schwengel, 1955, p. 64, pl. 11, fig. 66
San Carlos Bay, Lee Co., Fla. Recent
- 75 **Lucina fortidentalis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 69, pl. 6, fig. 11
Chattahoochee R., N. of Sandy Cr., Clay Co., Ga.
Midway gr., Paleocene
- 76 **Lucina fortidentalis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 69, pl. 6, fig. 11a
Chattahoochee R., N. of Sandy Cr., Clay Co., Ga.
Midway gr., Paleocene
- 4338 **Lucina (Plastomiltha) gaufia** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 91,
pl. 20, figs. 9, 10

- Gopher Hill (Baker's), Washington Co., Ala. Gosport
sd., uppermost Clabiorne gr., middle Eocene
- 4339 **Lucina (Plastomiltha) gaufia** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 91,
pl. 20, figs. 11, 12
Montgomery Ldg., Red R. Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4340 **Lucina (Plastomiltha) gaufia** Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 91,
pl. 20, fig. 13
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 24996 **Lucina (Loripinus) globulosa hornea** Desmarest Hypotype
Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 64, pl. 4, fig. 6
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 2200 **Lucina (Here) iduna** Olsson Syntype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 89, pl. 7, fig. 1
Quebrada Montera near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2208 **Lucina (Here) iduna** Olsson Syntype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 89, pl. 8, fig. 2
Quebrada Montera, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2111 **Lucina (Here) iduna** Olsson Syntype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 89, pl. 8, fig. 5
Quebrada Montera, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2212 **Lucina (Here) iduna** Olsson Syntype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 89, pl. 8, fig. 6
Quebrada Montera, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 1973 **Lucina inca** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 47, pl. 5, fig. 7
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 1833 **Lucina cf. landanensis** Vincent Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 24,
pl. 1, fig. 1
About 5 km. N. of mouth of Luculo R., near Quipaya, Angola,
Africa (loc. S4) Quimbriz fm., Eocene [Miocene, Darte-
velle and Roger, 1954]
See *Miltha harrisi* Dartevelle, paratype
- 1834 **Lucina cf. landanensis** Vincent Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 24,
pl. 1, fig. 2
About 5 km. N. of mouth of Luculo R., near Quipaya, Angola
(loc. S4) Quimbriz fm., Eocene [Miocene, Dartevelle
and Roger, 1954]

- 1969 *?Lucina lomitensis* Olsson Syntype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 48, pl. 5, fig. 1
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1971 *?Lucina lomitensis* Olsson Syntype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 48, pl. 5, fig. 4
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 25057 *Lucina megameris* Dall Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 108, pl. 19, fig. 3
Old Morne Diablo Quarry, 3½ mi. S. of Penal, Siparia Ward, E. Patrick Co., Trinidad, W.I. upper Oligocene
- 24004 *Lucina (Lucinisa) mirandana* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, figs. 1, 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24005 *Lucina (Lucinisa) mirandana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, figs. 3, 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24006 *Lucina (Lucinisa) mirandana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, figs. 4, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24007 *Lucina (Lucinisa) mirandana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, fig. 6
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24008 *Lucina (Lucinisa) mirandana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, fig. 7
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24008a *Lucina (Lucinisa) mirandana* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 8, pl. 2, fig. 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24644 *Lucina nassula* Conrad Representative specimen
Perry and Schwengel, 1955, p. 64, pl. 11, fig. 65
Sanibel, Lee Co., Fla. Recent
- 226 *Lucina ozarkana* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 72, pl. 14, figs. 7, 7a
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene

- 227 *Lucina ozarkana* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 72, pl. 14, fig. 7b
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 756 *Lucina ozarkana* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 118, pl. 38, figs. 24, 24a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 757 *Lucina ozarkana* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 118, pl. 38, fig. 26
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 758 *Lucina ozarkana* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 118, pl. 38, fig. 26a
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], Claiborne gr., middle Eocene
- 759 *Lucina ozarkana* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 118, pl. 38, fig. 25
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 4334 *Lucina* (*Eophysema*) ?*ozarkana* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 90,
pl. 20, fig. 6 (lost prior to 1955)
Gibson Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4335 *Lucina* (*Eophysema*) ?*ozarkana* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 90,
pl. 20, fig. 6a
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4336 *Lucina* (*Eophysema*) ?*ozarkana* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 90,
pl. 20, fig. 7
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 763 *Lucina pandata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 764 *Lucina pandata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 7a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 765 *Lucina pandata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 121, pl. 39, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 751 *Lucina papyracea* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 752 *Lucina papyracea* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 753 *Lucina papyracea* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 754 *Lucina papyracea* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 755 *Lucina papyracea* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24498 *Lucina perovata* (Dall) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 21, pl. 10, fig. 10
Georgia Lime Rock Corp., about 4 mi. from Perry, Houston Co.,
Ga. "Ocala ls.", Jackson gr., upper Eocene
- 223 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 70, pl. 14, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 224 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 70, pl. 14, fig. 3b
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 740 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 741 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 742 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 743 *Lucina pomilia* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 744 ***Lucina pomilia*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 745 ***Lucina pomilia*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 746 ***Lucina pomilia alveata*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 747 ***Lucina pomilia alveata*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 748 ***Lucina pomilia alveata*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 116, pl. 38, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 749 ***Lucina pomilia alveata*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 750 ***Lucina pomilia alveata*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 115, pl. 38, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 735 ***Lucina pomilia smithi*** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 38, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 736 ***Lucina pomilia smithi*** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 38, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 737 ***Lucina pomilia smithi*** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 38, fig. 4 (top)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 738 ***Lucina pomilia smithi*** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 38, fig. 4 (bottom)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 739 ***Lucina pomilia smithi*** Meyer Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 114, pl. 38, fig. 5

Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U. S. 360, Hanover Co., Va. Nanjemoy fm., lower
Eocene

- 1118 *Lucina rotunda* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 122, pl. 40, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1119 *Lucina rotunda* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 122, pl. 40, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1120 *Lucina rotunda* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 122, pl. 40, fig. 2a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4329 *Lucina (Myrtea?) subcurta* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 20, fig. 1
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4330 *Lucina (Myrtea?) subcurta* Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 20, fig. 2
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4331 *Lucina (Myrtea?) subcurta* Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 20, fig. 3
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4332 *Lucina (Myrtea?) subcurta* Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 20, fig. 4
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4333 *Lucina (Myrtea?) subcurta* Harris Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 89,
pl. 20, fig. 5
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 760 *Lucina (Loripes) subvexa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 119, pl. 39, fig. 2
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 761 *Lucina (Loripes) subvexa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 119, pl. 39, figs. 3, 5, 5a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine], gr., lower Eocene

- 762 **Lucina (Loripes) subvexa** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 119, pl. 39, fig. 4
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 4337 **Lucina (Eophysema) subvexa** Conrad
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 90,
pl. 20, fig. 8 (pencil sketch of holotype in A.N.S. Phila.)
Claiborne, Ala. Gosport sd., uppermost Claiborne gr.,
middle Eocene
Type species of *Eophysema* Stewart, 1930
- 225 **Lucina ?symmetrica** Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 71, pl. 14, fig. 4
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 2196 **Lucina (Illesca) trietracensis** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 91, pl. 6, fig. 5 (not *L.*
trietractensis as in expl. of pl. and on pp. 34, 91, 230, and 268)
Near Bayovar, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2201 **Lucina (Illesca) trietracensis** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 91, pl. 7, fig. 2
Tric Trac Point near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- Lucina ulrichi** Harris Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 71, pl. 14, figs. 5, 5a (lost
prior to 1937). [See Harris, 1919, footnote p. 117]
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Lucina ulrichi** Harris Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 71, pl. 14, fig. 6 (lost prior
to 1937). [See Harris, 1919, footnote p. 117]
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20209 **Lucinisca** sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1700
Well Tía Juana No. 2 (TJ-2), depth 2722-2733 ft., Bolívar
Coastal Field, Dist. of Bolívar, St. of Zulia, Ven.
Lagunillas fm., middle Miocene
- 20210 **Lucinisca** sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 147 (TJ-147) depth 3331-3341 ft., Bolívar
Coastal Field, Dist. of Bolívar, St. of Zulia, Ven.
La Rosa fm., lower Miocene
- 20423 **Lucinisca** sp. Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 66, pl. 4, fig. 5
Near Progreso, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 3970 **Lucinoma contracta** (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 54, pl. 11, fig. 9
N. of Calvert Beach, Calvert Co., Md. Calvert fm.,
lower middle Miocene

- 20422 ?*Lucinoma* sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 66, pl. 4, fig. 1
 Near Las Masas, N. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 4109 *Luciploma panamensis* Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 39, pl. 3, figs. 1, 2 (not
 5009 as in text)
 Burica Point, Chiriquí Prov., Pan. Burica ss., upper
 Miocene or lower Pliocene
 Type species of *Luciploma* Olsson, 1942
- 1399 *Lydiplhis novicastrit* (Van Winkle) Holotype
 Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 9, pl. 1,
 figs. 11, 12; Palmer, B.A.P., v. 7, No. 32, 1937, p. 48, pl. 2,
 figs. 4, 5
 Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
 U. S. 360, Hanover Co., Va. Nanjemoy fm., lower
 Eocene
 See *Adeorbis novicastrit* Van Winkle
- 24629 *Lyonsia beana* d'Orbigny Representative specimen
 Perry and Schwengel, 1955, p. 58, pl. 9, fig. 51
 Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24628 *Lyonsia floridana* Conrad Representative specimen
 Perry and Schwengel, 1955, p. 57, pl. 9, fig. 50
 Tarpon Bay, Lee Co., Fla. Recent
- 24242 *Lyria busera* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 46, pl. 8, fig. 3
 N. of Negritos, Dept. of Piura, Peru Restin fm., middle
 Eocene
- 24244 *Lyria busera* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 46, pl. 8, fig. 5
 N. of Negritos, Dept. of Piura, Peru Restin fm., middle
 Eocene
- 4957 *Lyria concha* Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 103, pl. 15, fig. 6
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 Maestrichtian
- 4958 *Lyria concha* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 103, pl. 15, fig. 7 (broken
 prior to 1956)
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 Maestrichtian
- 2118 *Lyria peruviana* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 111, pl. 19, fig. 2
 Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
 Peru Chira fm., lower Oligocene
- 2119 *Lyria peruviana* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 111, pl. 19, fig. 3
 Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
 Peru Chira fm., lower Oligocene

- 3659 *Lyria sabulosa* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 93, pl. 17, fig. 7
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3660 *Lyria sabulosa* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 93, pl. 17, fig. 8 (lost
prior to 1937)
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 1906 ?*Lyria* sp. Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 32,
pl. 7, fig. 11
From mouth of Luculo R., Quimbriz,, Angola (loc. S 3)
Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- Lyria wilcoxiana* Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 85, pl. 8, fig. 5 (lost prior
to 1937)
One mi. N. of Midway, Wilcox Co., Ala. Clayton fm.,
lower Midway gr., Paleocene
- 2355 *Lyrischapa harrisi* Aldrich Holotype
Aldrich, B.A.P., v. 5, No. 22, 1911, p. 11, pl. 4, fig. 8; Palmer,
B.A.P., v. 7, No. 32, 1937, p. 399, pl. 57, figs. 1, 2
Three and one-half mi. S. of Quitman, Clarke Co., Miss.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24609 *Lyropecten nodosus* (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 49, pl. 6, fig. 30
Sanibel, Lee Co., Fla. Recent
- 2602 *Lyrosurecula columbiana* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 85, pl. 14, fig. 4
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch, 1902, p. 129-130) middle or
upper Claiborne gr., middle Eocene
- 2596a *Lyrosurecula dalli* (Cossmann) Hyoptype
Harris, P. A., v. 2, No. 7, 1937, p. 83, pl. 13, fig. 42
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2596b *Lyrosurecula dalli* (Cossmann) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 83, pl. 13, fig. 43
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2597a *Lyrosurecula dalli quadrivariata* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 83, pl. 13, fig. 44
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2597b *Lyrosurecula dalli quadrivariata* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 83, pl. 13, fig. 45
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene

- 2597c *Lyrosurecula dalli quadrivaricata* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 83, pl. 13, fig. 46
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2595a *Lyrosurecula funiculigera* Cossmann Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 40
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2595b *Lyrosurecula funiculigera* Cossmann Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 41
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2591 *Lyrosurecula gibbera* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 35
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2592 *Lyrosurecula gibbera* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 36
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2593 *Lyrosurecula gibbera* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 37
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2598a *Lyrosurecula sexvaricosa* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 84, pl. 14, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2598b *Lyrosurecula sexvaricosa* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 84, pl. 14, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2599 *Lyrosurecula shaleri* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 84, pl. 14, pl. 3
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2600 *Lyrosurecula shaleri* (Vaughan) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 84, pl. 14, fig. 3a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2594 *Lyrosurecula vaughani* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 82, pl. 13, fig. 38
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 25065 *Machaeracanthus retusus* Wells Holotype
Wells, Amer. Midl. Nat., v. 24, No. 2, 1940, p. 411-413, figs. 1-6

N. side gorge of Taughannock Cr., Taughannock Falls State
Park, Tompkins Co., N. Y. Genesee sh. 6" above Tully
ls., upper Middle Devonian

- 5061 *Maclurea magna* LeSueur Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 39, pl. 18, fig. 10
Crown Point, Essex Co., N. Y. Chazy ls., Chazyan,
lower Champlainian (Middle) Ordovician
- 24679 *Macoma brevifrons* (Say) Representative specimen
Perry and Schwengel, 1955, p. 82, pl. 16, fig. 100a
Sanibel, Lee Co., Fla. Recent
- 4102 *Macoma (Panacoma) chiriquiensis* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 43, pl. 5, fig. 5 (not 5002
as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
Type species of *Panacoma* Olsson, 1942
- 4103 *Macoma (Panacoma) chiriquiensis* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 43, pl. 5, fig. 6 (not 5003
as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 24678 *Macoma constricta* (Bruguère) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 75, pl. 16, fig. 100; Perry
and Schwengel, 1955, p. 82, pl. 16, fig. 100
Sanibel, Lee Co., Fla. Recent
- 21242 *Macoma costaricana* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 256, pl. 26, fig. 14
Río Betey, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21244 *Macoma costaricana* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 256, pl. 26, fig. 16
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 1234 *Macoma danai* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 169, pl. 51, figs. 8, 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24031 *Macoma (Psammacoma?) democraciana* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
15, pl. 6, fig. 3
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Demo-
cracia, St. of Falcón, Ven. upper middle Miocene
- 24032 *Macoma (Psammacoma?) democraciana* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
15, pl. 6, fig. 4
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Demo-
cracia, St. of Falcón, Ven. upper middle Miocene
- 24033 *Macoma (Psammacoma?) democraciana* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
15, pl. 6, fig. 5

Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
upper middle Miocene

- 24029 **Macoma (Psammacoma) falconensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
16, pl. 6, fig. 1
In Río Codore, 5 km. N. and 350 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24034 **Macoma (Psammacoma) falconensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
16, pl. 6, fig. 6
In Río Codore, 5 km. N. and 350 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24035 **Macoma (Psammacoma) falconensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
16, pl. 6, fig. 7
In Río Codore, 5 km. N. and 350 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 21241 **Macoma (Psammacoma) gatunensis** Toulà Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 257, pl. 26, fig. 13
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24030 **Macoma (Psammacoma) gatunensis** Toulà Hypotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
16, pl. 6, fig. 2
Gatun, C. Z. Gatun fm., middle Miocene
- 2013 **Macoma lissoni** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 64, pl. 9, fig. 2
Caleta Sal (not Que. Canoas as in text), Dept. of Tumbes, Peru
Punta Bravo grits, Mancora fm., middle Oligocene
- 2020 **Macoma lissoni** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 64, pl. 9, fig. 9
Caleta Sal, Dept. of Tumbes, Peru Punta Bravo grits,
Mancora fm., middle Oligocene
- 4104 **Macoma (Macoploma) medioamericana** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 44, pl. 4, fig. 8 (not 5004
as in text)
Quebrada Peñitas, Puntarenas Prov., C. R. Charco
Azul fm., Pliocene
- 2015 **Macoma meroensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 63, pl. 9, fig. 4
Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2019 **Macoma meroensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 63, pl. 9, fig. 8
Caleta Mero (not Que. Canoas as given in text) Dept. of
Tumbes, Peru Heath fm., upper Oligocene

- 21239 **Macoma (Psammacoma) panamensis canalis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 257, pl. 26, fig. 11
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 1233 **Macoma sillimani** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 169, pl. 51, figs. 6, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2198 **Macoma** sp. Figured specimen
Olsson, B.A.P., v. 19, No. 68, 1932, p. 125, pl. 6, fig. 7
Boca Pan, Dept. of Tumbes, Peru Variegated beds,
lower Miocene
- 3574 **Macoma (Psammacoma) talarensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 42, pl. 9, fig. 6
Talara, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24877 **Macoma tenta souleyetiana** (Récluz) Hypotype
Perry and Schwengel, 1955, p. 82, pl. 44, fig. 307
Sanibel, Lee Co., Fla. Recent
- 2246 **Macoma (Psammacoma) zapotalensis** (Spieker) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 124, pl. 13, fig. 3
Quebrada Zapotal, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 2250 **Macoma (Psammacoma) zapotalensis** (Spieker) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 124, pl. 13, fig. 7
Quebrada Zapotal, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 3555 **Macrocallista inca** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 37, pl. 8, fig. 1
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3558 **Macrocallista inca** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 37, pl. 8, fig. 4
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 942 **Macrocallista maculata** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 145, pl. 25, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 944 **Macrocallista maculata** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 145, pl. 25, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene

- 945 **Macrocallista maculata** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 145, pl. 25, fig. 5
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 21313 **Macrocallista maculata** (Linnaeus) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 234, pl. 31, figs. 6, 7
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
See *Callista maculata* (Linnaeus)
- 22829 **Macrocallista maculata** (Linnaeus) Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 54, pl. 32, fig. 6
NW. sec., La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 24662 **Macrocallista maculata** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 72, pl. 13, fig. 82
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24661 **Macrocallista nimbose** (Solander) Representative specimen
Perry and Schwengel, 1955, p. 71, pl. 13, fig. 81
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 1840 **Macrocallista palmerae** Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 18,
pl. 1, figs. 9, 10
Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
(loc. S1) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1919 **Macrocallista palmerae** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 18,
pl. 8, fig. 7
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Corba at
Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene [Mio-
cene, Darteville and Roger, 1954]
- 6064 **Macrocallista stantoni** Waring Paratype
Waring, Proc. Calif. Acad. Sci., v. 7, No. 4, 1917, p. 372
Simi Hill, Ventura Co., Calif. Martinez fm., Paleocene
- 4093 **Macrocallista traftoni** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 38, pl. 5, fig. 2
Quebrada Rabo de Puerco, Chiriquí Prov., Pan.
Armuelles fm., Pleistocene
- 4094 **Macrocallista traftoni** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 38, pl. 5, fig. 3
Quebrada Rabo de Puerco, Chiriquí Prov., Pan.
Armuelles fm., Pleistocene
- 4811 **Macrodonax peruviana** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 62, pl. 1, figs. 3, 4

Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
Type species of *Macroloxoceras* Olsson, 1944

- 25354 **Macroloxoceras magnum** Flower Holotype
Flower, N. Mex. Bur. Mines Mem. 2, 1957, p. 67, pl. 13, figs. 1, 5-8 (3 pieces)
Near Sweetwater Lake, 25 mi. NE. of Glenwood Springs, NW. Eagle Co., Colo. Float in talus below Dyer dol. mem., Chaffee ls., Upper Devonian
Type species of *Macroloxoceras* Flower, 1957
- 25355 **Macroloxoceras magnum** Flower Paratype
Flower, N. Mex. Bur. Mines Mem. 2, 1957, p. 67, pl. 13, figs. 3, 4
Near Sweetwater Lake, 25 mi. NE. of Glenwood Springs, NW. Eagle Co., Colo. Float in talus below Dyer dol. mem., Chaffee ls., Upper Devonian
- 887 **Mactra (Mactrella) alata** Spengler Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 113, pl. 21, fig. 3
Matura Bay, NE. coast of Trinidad, W. I. Recent
- 21267 **Mactra (Mactrella) alata** Spengler Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 263, pl. 28, fig. 3
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 4389 **Mactra (Spisula) albirupina** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 109, pl. 23, fig. 11
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4390 **Mactra (Spisula) albirupina** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 109, pl. 23, fig. 12
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 24052 **Mactra californica maracaibensis** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 20, pl. 9, fig. 6
Río Cocuiza* about 2 km. N. and 6 km. E. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. Miocene
- 24061 **Mactra californica maracaibensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., v. 16, No. 59, 1931, p. 20, pl. 9, fig. 19
Río Cocuiza* about 2 km. N. and 6 km. E. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. Miocene
- 21265 **Mactra (Mactrella) estrellana** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 263, pl. 28, fig. 1
Estrella River, Limon Prov., C. R. Gatun fm., middle Miocene
- 21266 **Mactra (Mactrella) exoleta** Gray Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 262, pl. 28, fig. 2
Boucary Creek, Limon Prov., C. R. Gatun fm., middle Miocene

- 24693 *Mactra fragilis* Gmelin Representative specimen
Perry and Schwengel, 1955, p. 89, pl. 17, fig. 113
Sanibel, Lee Co., Fla. Recent
- 4391 *Mactra (Spisula) funerata* Conrad Hypotype
(4392) Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 108,
pl. 23, figs. 13-15
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2256 *Mactra (Mactrotoma) iridia* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 128, pl. 14, fig. 5
Between Amen and Playas, along R.R. cuts, SW. Ecuador
lower Miocene
- 4386 *Mactra (Spisula) jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 107,
pl. 23, fig. 7
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4387 *Mactra (Spisula) jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 107,
pl. 23, fig. 8
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4388 *Mactra (Spisula) jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 107,
pl. 23, figs. 9, 10
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 2353 *Mactra (Macrotoma) maceescens* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 113, pl. 21, fig. 1
Manzanilla, SE. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 4383 *Mactra (Spisula) parilis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 106,
pl. 23, figs. 3, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4384 *Mactra (Spisula) parilis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 106,
pl. 23, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4385 *Mactra (Spisula) parilis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 106,
pl. 23, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4382 *Maetra (Spisula) praetenuis* Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 106
pl. 23, fig. 1
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 178 *Maetra praetenuis bistrata* Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 66, pl. 13, fig. 10
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 24051 *Maetra (Maetrotoma) quirosana* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
20, pl. 9, fig. 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 24053 *Maetra (Maetrotoma) quirosana* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
20, pl. 9, figs. 7, 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 2354 *Maetra (Maetrella) sanctiblasii†* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 114, pl. 21, fig. 2
St. Blaise Ravine, Trinity Hill Reserve, W. Trinity Ward, SW.
Mayaro Co., Trinidad, W. I. About Manzanilla Miocene
- 21268 *Maetra (Maetrella) sincola* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 264, pl. 28, fig. 4
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 2014 *Maetra (Maetrella) tumbezia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 66, pl. 9, fig. 3
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2016 *Maetra (Maetrella) tumbezia* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 66, pl. 9, fig. 5
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 1254 *Mactropsis aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1255 *Mactropsis aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., Eocene
- 1256 *Mactropsis aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 297 **Mactropsis olssoni** Van Winkle Holotype
 Van Winkle, B.A.P., v. 8, No. 36, 1921, p. 8, pl. 1, figs. 4, 5
 Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
 U.S. route 360, Hanover Co., Va. Nanjemoy fm., lower
 Eocene
- 1257 **Mactropsis rectilinearis** (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 10
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1258 **Mactropsis rectilinearis** (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 11
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1259 **Mactropsis rectilinearis** (Conrad) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 177, pl. 54, fig. 12
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3784 **Madracis herricki** Wells Holotype
 Wells, B.A.P., v. 20, No. 70B, pt. 2, 1934, p. 17, pl. 1, figs. 1, 2
 E. bank Colorado R., Smithville, Bastrop Co., Tex.
 Weches "clay", Mt. Selman fm., middle Claiborne gr., middle
 Eocene
- 24360 **Madracis vauhani** Wells Holotype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 9, pl. 1, fig. 4, 4a
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 24361 **Madracis vauhani** Wells Paratype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 9, pl. 1, figs. 4b, 4c
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 24366 **Madracis vauhani** Wells Paratypes
 Wells, B.A.P., v. 26, No. 98, 1941, p. 9
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 1058 **Malea camura** Guppy Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 218, pl. 36, fig. 7
 Dom. Rep. Miocene
- 2120 **Mancorus burtii** (Hanna and Israelsky) Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 110, pl. 19, figs. 5, 7
 Mancora, border between Depts. of Piura and Tumbes, Peru
 Mancora fm., middle Oligocene
- 2117 **Mancorus grabaui** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 109, pl. 19, figs. 1, 4
 Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
 Peru Chira fm., lower Oligocene
 Type species of *Mancorus* Olsson, 1931

Mangelia see also **Mangilia**

- 3892 **Mangella jabonillalensis** Olsson Holotype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 33, pl. 8, fig. 6
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 3894 **Mangella jabonillalensis** Olsson Paratype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 33, pl. 8, fig. 8
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 3895 **Mangella jabonillalensis** Olsson Paratype
 Olsson, B.A.P., v. 15, No. 57, 1929, p. 33, pl. 8, fig. 9
 Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
 Restin fm., middle Eocene
- 20313 **Mangilia** sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
 Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
 Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
 Miocene
- Mangilia** authors' name for **Mangella**
- 3438 **Mangilia clarae** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 11, pl. 3, fig. 1
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff, gr., lower Miocene
- 203 **Mangilia emissaria** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 4, pl. 2, fig. 6
 Tar Ferry, Wicacaon Cr., Hertford Co., N. C. York-
 town fm., upper Miocene
- 3440 **Mangilia isabellae** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 11, pl. 3, fig. 3
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 208 **Mangilia magnoliana** Olsson Lectotype** and unfigured paratype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 4, pl. 2, fig. 11
 Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
 Duplin fm., upper Miocene
- 24838 **Mangilia plicosa** (C. B. Adams) Representative specimen
 Perry and Schwengel, 1955, p. 184, pl. 38, fig. 265
 Sanibel, Lee Co., Fla. Recent
- 209 **Mangilia smithfieldensis** Olsson
Lectotype** and unfigured paratype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 5, pl. 2, fig. 12
 James R., N. of Smithfield, Isle of Wight Co., Va.
 Yorktown fm., upper Miocene
- 3439 **Mangilia websteri** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 11, pl. 3, fig. 2
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene

- 20702- **Manorella proteus** Grice Paratypes
 20704 Grice, Jour. Pal., v. 22, No. 2, 1948, p. 223, text figs. 1-5
 Rt. bank of Little Walnut Cr., N. of bridge along old Austin-
 Manor rd., 3.9 rd. mi. NE. of East Ave. and Manor Rd., Austin,
 Travis Co., Tex. Burditt marl, Austin gr., Coniacian-
 Santonian, Upper Cretaceous
 Type species *Manorella* Grice, 1948
- 1695 **Marcia (Mercimonia) mercenaroidea** (Aldrich) Hypotype
 Palmer, P.A., v. 1, No. 5, 1929, p. 137, pl. 24, figs. 11, 16
 Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 1696 **Marcia (Mercimonia) mercenaroidea** (Aldrich) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929. p. 137, pl. 24, fig. 15a
 Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 1198 **Marcia (Katelsysia) reticulpta** (Meyer) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 153, pl. 47, fig. 16;
 Palmer, P. A., v. 1, No. 5, 1929, p. 136, pl. 26, fig. 2
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1199 **Marcia (Katelsysia) reticulpta** (Meyer) Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 153, pl. 47, fig. 17;
 Palmer, P. A., v. 1, No. 5, 1929, p. 136, pl. 26, fig. 1
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1700 **Marcia (Katelsysia) texta** (Lamarck) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 136, pl. 26, fig. 8
 Liancourt St. Pierre near Chars, 6½ mi. SE. of Gisors, (Gisors
 is 39 mi. NW. of Paris, France) Lutetian fm., lower
 middle Eocene
- 1701 **Marcia (Katelsysia) texta** (Lamarck) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 136, pl. 26, fig. 11
 Liancourt St. Pierre near Chars, 6½ mi. SE. of Gisors, (Gisors
 is 39 mi. NW. of Paris, France) Lutetian fm., lower
 middle Eocene
- 4022, **Margarites (Lirularia) aresta** Berry Paratypes
 4023 Berry, B.A.P., v. 27, No. 101, 1941, p. 13
 Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
 Lomita fm., lower Pleistocene
- 24814 **Marginella apicina** Menke Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 156, pl. 36, fig. 242; Perry
 and Schwengel, 1955, p. 172, pl. 36, fig. 242
 Sanibel, Lee Co., Fla. Recent
- 24915 **Marginella apicina** Menke Hypotype
 Perry and Schwengel, 1955, p. 173, pl. 53, fig. 356 (egg capsules
 and embryonic shell)
 Sanibel, Lee Co., Fla. Recent

- 24815 *Marginella aureocincta* Stearns Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 157, pl. 36, fig. 243; Perry
and Schwengel, 1955, p. 173, pl. 36, fig. 243
Sanibel, Lee Co., Fla. Recent
- 21000 *Marginella avena* Valenciennes Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 97, pl. 7, fig. 21
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21006 *Marginella avena* Valenciennes Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 97, pl. 7, fig. 28
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 22869 *Marginella berjadinensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 75, pl. 37, figs. 11, 13
E. of Guayabo, S. of La Danta, S. of Dabajuro, Dist. of Buchi-
vacoa, St. of Falcón, Ven. Miocene
- 22890 *Marginella berjadinensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 75, pl. 40, figs. 16, 18
E. of Guayabo, S. of La Danta, S. of Dabajuro, Dist. of Buchi-
vacoa, St. of Falcón, Ven. Miocene
- 1036 *Marginella calypsonis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 199, pl. 34, fig. 12
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 1037 *Marginella calypsonis* Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 199, pl. 34, fig. 13
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 3442 *Marginella chipolana* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 15, pl. 4, fig. 2
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3442a *Marginella chipolana* Maury Paratype
Maury, B. A.P., v. 4, No. 21, 1910, p. 15
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 21004 *Marginella collina* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 97, pl. 7, fig. 26
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21005 *Marginella collina* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 97, pl. 7, fig. 27

- Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 3263 *Marginella columba* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 419, pl. 67, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3264 *Marginella columba* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 419, pl. 67, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3265 *Marginella columba* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 419, pl. 67, figs. 6, 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3266 *Marginella constrictoides* Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 415, pl. 67, fig. 2
Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 3267 *Marginella constrictoides* Meyer and Aldrich Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 415, pl. 67, figs. 7, 12
Indian Mound, 3 mi. E. of Newton, on the A. and V. R. R.,
Newton Co., Miss. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
- 3443 *Marginella cornelliana* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 15, pl. 4, fig. 3
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1035 *Marginella (Persicula) couviana* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 202, pl. 34, fig. 11
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22892 *Marginella democraciana* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 76, pl. 40, fig. 20
Around Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 24816 *Marginella denticulata opalina* Stearns Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 157, pl. 36, 244; Perry
and Schwengel, 1955, p. 173, pl. 36, fig. 244
Sanibel, Lee Co., Fla. Recent
- 22889 *Marginella gatunensis colinensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 76, pl. 40, figs. 15, 19
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene

- 22993 ***Marginella gatunensis colinensis*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 76, pl. 40, fig. 17
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 1027 ***Marginella guaica*** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 200, pl. 34, fig. 2
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 1029 ***Marginella guaica*** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 200, pl. 34, fig. 4
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
Manzanilla fm., Miocene
- 24917 ***Marginella hartleyana*** Schwengel Hypotype
Perry and Schwengel, 1955, p. 174, pl. 53, fig. 358
Destin, Okaloosa Co., Fla. Recent
- 2303 ***Marginella (Volvarina) incrassata*** Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 165, pl. 20, fig. 2
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2306 ***Marginella (Volvarina) incrassata*** Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 165, pl. 20, fig. 6
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 24818 ***Marginella lacrimula*** Gould Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 157, pl. 36, fig. 246
Sanibel, Lee Co., Fla. Recent
See *Cypraeolina lacrimula* (Gould)
- 21039 ***Marginella latissima pilsbryi*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 96, pl. 10, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21040 ***Marginella latissima pilsbryi*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 96, pl. 10, fig. 2
Gatun, C. Z. Gatun fm., middle Miocene
- 20979 ***Marginella leander*** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 98, pl. 6, fig. 22
Gatun, C. Z. Gatun fm., middle Miocene
- 20971 ***Marginella macdonaldi*** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 95, pl. 6, fig. 14
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20972 ***Marginella macdonaldi*** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 95, pl. 6, fig. 15

- Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20974 **Marginella macdonaldi** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 95, pl. 6, fig. 17
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20976 **Marginella macdonaldi** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 95, pl. 6, fig. 19
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 1033 **Marginella (Volutella) maiæ** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 201, pl. 34, fig. 9
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22879 **Marginella (Persicula) maracaibensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 78, pl. 40, figs. 1, 6
Oil seep at El Mene Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 20973 **Marginella mindiensis** Cossmann Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 96, pl. 6, fig. 16
Gatun, C. Z. Gatun fm., middle Miocene
- 20980 **Marginella mindiensis** Cossmann Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 96, pl. 6, fig. 23
Gatun, C. Z. Gatun fm., middle Miocene
- 24916 **Marginella minuta** Pfeiffer Hypotype
Perry and Schwengel, 1955, p. 173, pl. 53, fig. 357
Sanibel, Lee Co., Fla. Recent
- 22880 **Marginella (Persicula) mirandana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 79, pl. 40, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 22884 **Marginella (Persicula) mirandana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 79, pl. 40, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 22885 **Marginella (Persicula) mirandana** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 79, pl. 40, fig. 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21063 **Marginella musacina** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 98, pl. 10, fig. 25

Banana R., Limon Prov., C. R. Gatun fm., middle Miocene

- 22864 **Marginella quirosensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 74, pl. 37, figs. 3, 4
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 22867 **Marginella quirosensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 74, pl. 37, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 22862 **Marginella quirosensis paraguaneensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, p. 75, pl. 37, fig. 1
Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St. of Falcón, Ven. lower Miocene
- 22863 **Marginella quirosensis paraguaneensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 75, pl. 37, fig. 2
Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St. of Falcón, Ven. lower Miocene
- 22866 **Marginella saladilloensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 73, pl. 37, figs. 6, 7
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 210 **Marginella schmidtii** Olsson Lectotype** and unfigured paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 10, pl. 2, fig. 13
Natural well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 3268 **Marginella silabra** Palmer Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 416, pl. 67, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
New name for *M. crassilabra* Conrad
- 3269 **Marginella silabra** Palmer Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 416, pl. 67, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20253 **Marginella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Ambrosio No. 21, depth 2112-2113 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20314 **Marginella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene

- 1034 ***Marginella springvalensis*** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 200, pl. 34, fig. 10
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 1038 ***Marginella springvalensis*** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 200, pl. 34, fig. 14
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 24817 ***Marginella succinea*** Conrad Representative specimen
 Perry and Schwengel, 1955. p. 173, pl. 36, fig. 245
 Redfish Pass, Captiva, Lee Co., Fla. Recent
- 198 ***Marginella taylori*** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 9, pl. 2, fig. 1
 Chocowinity, Beaufort Co., N. C. Yorktown fm., upper
Miocene
- 22887 ***Marginella (Persicula) venezuelana*** F. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 77, pl. 40, fig. 13
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 22888 ***Marginella (Persicula) venezuelana*** F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 77, pl. 40, fig. 14
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 22882 ***Marginella venezuelana falconensis*** F. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 78, pl. 40, figs. 4, 5
 Cantaure,* Cocodite* area, Paraguaná Pen., Dist. of Falcón,
 St. of Falcón, Ven. lower Miocene
- 22881 ***Marginella venezuelana lavelana*** F. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 78, pl. 40, fig. 3
 Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
 Ven. Miocene
- 22886 ***Marginella venezuelana lavelana*** F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 78, pl. 40, fig. 11
 Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
 Ven. Miocene
- 22994 ***Marginella venezuelana lavelana*** F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 78, pl. 40, fig. 10
 Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
 Ven. Miocene

- 22883 **Marginella (Persicula) zuliana** F. Hodson Holotype
Hodson, H., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 79, pl. 40, figs. 7, 12
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 25396 **Marginulina aculeata** Neugeboren Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 277, pl. 52, fig. 17 [D.K.P. slide 191.9-18 (27)]
Tejar "Yumuri" about 250 m. N. of bend in rd. at NW. end of
Yumuri Gorge, well up on face of cliff, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25191 **Marginulina bullata** Reuss Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 16
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 25190 **Marginulina costata** (Batsch) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 16
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 25397 **Marginulina cubana** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 278, pl. 52, fig. 18 [D.K.P. slide 191.9-18 (21)]
Picadura de Aguacate, 4½ km. NE. of Aguacate on rd. to N.,
Habana Prov., Cuba Cojimar fm., Oligocene [Miocene,
Cole, 1958, p. 222]
- 25090 **Marginulina cymboides** (d'Orbigny) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 9, pl. 1, figs. 9, 10
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25398 **Marginulina dubia** Neugeboren Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 278, pl. 52, figs. 3, 4 [D.K.P. slide 191.9-18 (33)]
NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, p. 222]
- 25399 **Marginulina aff. hirsuta** d'Orbigny Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 279, pl. 52, fig. 5 [D.K.P. slide 191.9-18 (23)]
NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25400 **Marginulina mexicana vaginata** Garrett and Ellis Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 279, pl. 52, fig. 19 [D.K.P. slide 191.9-18 (47)]
Tejar "San Jose", Calzada de Marianao at Calle Jesus Maria,
Marianao, Habana Prov., Cuba Cojimar fm., Oligocene
[Miocene, Cole, 1958, p. 222]
- 21678 **Marginulina subbullata** Hantken Hypotype
Cole, B.A.P., 14, No. 51, 1927, p. 14, pl. 5, fig. 10
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 25184 **Marssonella oxycona** (Reuss) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 14
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 24706 **Martesia cuneiformis** (Say) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 88, pl. 19, fig. 126; Perry
and Schwengel, 1955, p. 94, pl. 19, fig. 126
Sanibel, Lee Co., Fla. Recent
- 77 **Martesia dalliana** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 71, pl. 6, fig. 15
Chattahoochee R., N. of Sandy Cr., Clay Co., Ga. Mid-
way gr., Paleocene
- 24707 **Martesia striata** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 95, pl. 19, figs. 127a, b
Sanibel, Lee Co., Fla. Recent
- 25310 **Massilina goniopleura** Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 3
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 22116 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324, pl. 37, figs. 1a-c
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22117 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22118 **Massilina mansfieldi** Cushman and Cahill Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22119 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324, pl. 37, figs. 5a, b
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22120 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22121 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, p. 324
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22122 **Massilina mansfieldi** Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324

- Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22123 *Massilina mansfieldi* Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22124 *Massilina mansfieldi* Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22125 *Massilina mansfieldi* Cushman and Cahill Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22126 *Massilina mansfieldi* Cushman and Cahill Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 324, pl. 37, figs. 4a, b
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22127 *Massilina marylandica* Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324, pl. 37, figs. 2a-c
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22128 *Massilina marylandica* Cushman and Cahill Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 324
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22129 *Massilina quadrans carteri* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 325
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22130 *Massilina quadrans carteri* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 325
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22131 *Massilina quadrans carteri* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 325
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22132 *Massilina quadrans carteri* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 325, pl. 37, figs. 6a-c
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 2741 *Mathilda reticulata aldrichi* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 87, pl. 9, fig. 11
Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene

- 2742 *Mathilda retisculpta aldrichi* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 87, pl. 9, fig. 14
Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- Mazzalina impressa orientalis* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 93, pl. 9, fig. 7 (lost prior to 1937)
Chattahoochee River, Ga. lower Midway gr., Paleocene
- 3107 *Mazzalina inaurata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 349, pl. 47, figs. 1, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4730 *Mazzalina inaurata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 381,
pl. 52, fig. 6
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 3109 *Mazzalina inaurata dalli* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 350, pl. 47, figs. 5, 6
Vince Bluff, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
See *Cornulina dalli* (Harris)
- 4733 *Mazzalina inaurata humerosa* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 384,
pl. 52, figs. 1, 5
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4734 *Mazzalina inaurata humerosa* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 384,
pl. 52, fig. 4
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4735 *Mazzalina inaurata humerosa* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 384,
pl. 52, fig. 3 (not 4738 as in expl. of pl.)
White Bluff, W. bank Arkansas R. Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 3108 *Mazzalina inaurata oweni* (Dall) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 351, pl. 47, figs. 2, 11;
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 383,
pl. 52, figs. 8, 9
White Bluff, Arkansas R., Jefferson Co., Ark. lower
Jackson gr., upper Eocene
- 4732 *Mazzalina inaurata oweni* (Dall) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 383,
pl. 52, fig. 7
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene

- 4731 **Mazzalina inaurata pyrula** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 382,
pl. 52, fig. 11
Crow Cr., 2 mi. E. of Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 20705- **Meandrospira washitensis** Loeblich and Tappan Paratypes
20706 Loeblich and Tappan, Jour. Pal., v. 20, No. 3, 1946, p. 248,
pl. 36, figs. 4-7; Marks, Micropal., v. 6, No. 4, 1952, p. 38
Stream bank 0.5 mi. E. of underpass under Frisco R.R. 1.9 mi.
from where Frisco R.R. branches from "Old Cleburne Road",
0.3 mi. S. of Berry St., Fort Worth, Tarrant Co., Tex.
Denton fm., Washita gr., Lower Cretaceous
- 5422 **Meganteris australis** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 173, pl. 13, figs. 9, 15
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5422A **Meganteris australis** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 173, pl. 9, figs. 25, 26
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5423 **Meganteris australis** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 173, pl. 13, fig. 10
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5424 **Meganteris australis** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 173, pl. 13, fig. 11
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5425 **Meganteris australis** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 173, pl. 13, figs. 12-14
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 20436 **Megapitaria olssoni** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 79, pl. 5, fig. 1
NE. of Progreso, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 20437 **Megapitaria olssoni** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 79
R.R. cut Salinas-Guayaquil R.R., 22.8 km. S., 45.1 km. W. of
Guayaquil and 1.9 km. SW. of Standard Oil Co. Calif. No. 1
Quijano well, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 5406 **Megastrophia hopkinsi** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 42, pl. 3, fig. 19; pl. 4,
fig. 2

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5453 *Megastrophia hopkinsi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 42, pl. 4, fig. 1
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5453A *Megastrophia hopkinsi* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 42
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5398 *Megastrophia pygmaea* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45, pl. 3, figs. 16-18; pl. 5, figs. 3, 4 (interior ventral cast)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5398A *Megastrophia pygmaea* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45, pl. 5, figs. 1, 2 (external ventral mold); pl. 8, figs. 13, 14 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5398B *Megastrophia pygmaea* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45, pl. 6, figs. 12, 13
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5398C *Megastrophia pygmaea* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45, pl. 6, fig. 11
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5398D *Megastrophia pygmaea* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5405A *Megastrophia pygmaea* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 45, (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 20488 *Megasurcula guayasensis* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 132, pl. 9, figs. 1, 3
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene

- 20489 *Megasurcula guayasensis* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 132, pl. 9, fig. 2
 Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 20490 *Megasurcula guayasensis* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 132
 Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 20491 *Megasurcula guayasensis* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 132
 Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 1151 *Meiocardia carolinae* Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 135, pl. 42, fig. 11
 Seventeen mi. above New Bern. Neuse R., Craven Co., N. C.
 "lower Claiborne, middle Eocene", Harris
- 1405 *Meiocardia carolinae* Harris Syntype
 Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 14, pl. 2,
 fig. 5
 City [Rock] Quarry near Wilmington, New Hanover Co., N. C.
 Castle Hayne fm., Jackson gr., upper Eocene
- Meiocardia carolinae* Harris Syntype
 Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 14, pl. 2,
 fig. 6 (missing in 1937)
 Eutaw Springs, Orangeburg Co., S. C. Santee ls., Jack-
 son gr., upper Eocene
- 24759 *Meioceras nitidum* (Stimpson) Representative specimen
 Perry and Schwengel, 1955, p. 138, pl. 26, fig. 186
 Sanibel, Lee Co., Fla. Recent
- 24860 *Melampus coffeus* (Linnaeus) Representative specimen
 Perry and Schwengel, 1955, p. 197, pl. 39, fig. 286
 Captiva, Lee Co., Fla. Recent
- 4910 *Melanatria medialis* Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 78, pl. 12, figs. 8, 11
 Tortuga, coast of Paíta Pen., Dept. of Piura, Peru
 middle zone, Maestrichtian
- 2692 *Melanella aciculata* (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 63, pl. 6, figs. 18, 19
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 24727 *Melanella bilineata* (Adler) Representative specimen
 Perry and Schwengel, 1955, p. 116, pl. 23, fig. 151
 Redfish Pass, Sanibel, Lee Co., Fla. Recent
- 2690 *Melanella claibornia* Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 62, pl. 6, fig. 10
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 2691 **Melanella claibornia** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 62, pl. 6, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24725 **Melanella conoidea** (Kurtz and Stimpson) Representative specimen
Perry and Schwengel, 1955, p. 116, pl. 23, fig. 149
Sanibel, Lee Co., Fla. Recent
- 1041 **Melanella (Eulima) egregia** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 215, pl. 35, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 2684 **Melanella exilis** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 64, pl. 6, fig. 6
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2685 **Melanella exilis** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 64, pl. 6, figs. 12, 16, 17
Fisher, Sabine Par., La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 2686 **Melanella extremis** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 65, pl. 6, fig. 8
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2687 **Melanella extremis** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 65, pl. 6, fig. 9
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2688 **Melanella extremis** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 65, pl. 6, figs. 14, 21
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2689 **Melanella extremis** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 65, pl. 6, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24728 **Melanella hemphilli** (Dall) Representative specimen
Perry and Schwengel, 1955, p. 117, pl. 23, fig. 152
Pine I. Sound, Captiva, Lee Co., Fla. Recent
- 24726 **Melanella intermedia** (Cantraine) Representative specimen
Perry and Schwengel, 1955, p. 116, pl. 23, fig. 150
Sanibel, Lee Co., Fla. Recent

- 4487 **Melanella jacksonensis** (de Gregorio) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 224,
pl. 26, fig. 16
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 2693 **Melanella notata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 61, pl. 6, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2694 **Melanella notata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 61, pl. 6, figs. 26, 30
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2695 **Melanella notata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 61, pl. 6, figs. 27, 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2696 **Melanella notata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 61, pl. 6, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Melania sylvaerupis** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 70, pl. 9, fig. 10 (lost prior
to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 292 **Melania trigemmata** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 71, pl. 9, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Melania trigemmata** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 71, pl. 9, fig. 3a (lost prior
to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Melania trigemmata** (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 71, pl. 9, fig. 3b (lost prior
to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3723 **Melina woodsi** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 26, pl. 4, fig. 1
Monte Grande, lat 4° 28' S.; long 81° 6' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian See *Pedalion*
woodsi Olsson
- 2121 **Melongena charanalensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 101, pl. 19, fig. 6
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene

- 2296 *Melongena colombiana* Weisbord Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 177, pl. 19, fig. 1
Quebrada Blanca, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 22957 *Melongena colombiana* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 43, pl. 7, figs. 2, 3
E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 22958 *Melongena colombiana* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 43, pl. 7, fig. 4
E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 1050 *Melongena consors* (Sowerby) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 208, pl. 35, fig. 12
Junc. Mayo and Couva main rds. W. central Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 21020 *Melongena consors* (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 112, pl. 9, fig. 1
Old Man Sam Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 22959 *Melongena consors* (Sowerby) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 44, pl. 7, fig. 5
Near Usiacuri, or Pto. Colombia, Dept. of Atlantico, Col.
Miocene
- 24806 *Melongena corona* (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 166, pl. 33, figs. 235a, b, c, d
Sanibel, Lee Co., Fla. Recent
- 24912 *Melongena corona* (Gmelin) Hypotype
Perry and Schwengel, 1955, p. 166, pl. 52, fig. 351a-c (egg
capsules and embryonic shell)
Sanibel, Lee Co., Fla. Recent
- 3654 *Melongena* (*Cornulina*) *levifusoides* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 84, pl. 17, fig. 1
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 2299 *Melongena melongena consors* (Sowerby) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 176, pl. 19, fig. 4
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 3655 *Melongena* (*Pugilina*) *oedienema* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 85, pl. 17, fig. 2
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 24668 *Mercenaria campechiensis* (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 74, pl. 14, fig. 89
Sanibel, Lee Co., Fla. Recent
- 24669 *Mercenaria campechiensis* (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 74, pl. 14, fig. 90 (juvenile)
Sanibel, Lee Co., Fla. Recent

- 1170 *Meretrix aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 140, pl. 44, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1171 *Meretrix aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 140, pl. 44, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1172 *Meretrix aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 140, pl. 44, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1173 *Meretrix aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 140, pl. 44, fig. 5a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1174 *Meretrix aequorea* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 140, pl. 44, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1411 *Meretrix angelinae* Harris Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 17, pl. 2,
fig. 12
Angelina R., 2 mi. above Marion, Angelina Co., Tex.
Claiborne gr., middle Eocene
- 1412 *Meretrix angelinae* Harris Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 17, pl. 2,
fig. 13
Angelina R., 2 mi. above Marion, Angelina Co., Tex.
Claiborne gr., middle Eocene
- 45 *Meretrix cornelli* Harris Holotype
Harris, B.A.P., v. 1, No. 1, 1895, p. 49, pl. 1, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1181 *Meretrix cornelli* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 144, pl. 46, figs. 1, 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 166 *Meretrix hatchetigbeensis* (Aldrich) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 11
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 167 *Meretrix hatchetigbeensis* (Aldrich) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 12
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 1165 *Meretrix mortoni* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 139, pl. 43, fig. 15

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1166 *Meretrix mortoni* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 139, pl. 43, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1154 *Meretrix neusensis* Harris Syntypes
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 4 (original
and plastotype)
Rocky Ldg., Neuse R., above New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, Eocene", Harris;
"Trent fm., lower Miocene", Kellum, 1926; age in process of
determination.
- 1155 *Meretrix neusensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 5
Rocky Ldg., Neuse R., above New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, Eocene", Harris; "Trent fm.,
lower Miocene", Kellum, 1926; age in process of determination.
- 1156 *Meretrix neusensis* Harris Syntypes
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 6 (original
and plastotype)
Rocky Ldg., Neuse R., above New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, Eocene", Harris; "Trent
fm., lower Miocene", Kellum, 1926; age in process of determi-
nation.
- 1157 *Meretrix neusensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 7
Rocky Ldg., Neuse R., above New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, Eocene", Harris; "Trent fm.,
lower Miocene", Kellum, 1926; age in process of determination.
- 1163 *Meretrix neusensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 7a
Rocky Ldg., Neuse R., above New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, Eocene", Harris; "Trent fm.,
lower Miocene", Kellum, 1926; age in process of determination.
- Meretrix neusensis* "var." approaching *perovata*
Harris, B.A.P., v. 6, No. 31, 1919, p. 137, pl. 43, fig. 10 (lost
prior to 1937)
Vicinity of Rocky Ldg., Neuse R., New Bern, Craven Co., N. C.
"Trent fm., lower Claiborne, middle Eocene", Harris;
"Trent fm., lower Miocene", Kellum, 1926; age in process of
determination.
- 1179 *Meretrix nuttali* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 143, pl. 45, figs. 5, 6, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Pitaria nuttali* (Conrad)
- 1180 *Meretrix nuttali* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 143, pl. 45, fig. 8

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Pitaria nuttali* (Conrad)
- 160 *Meretrix nuttalliopsis* (Heilprin) Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 61, pl. 12, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1175 *Meretrix nuttalliopsis* (Heilprin) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 141, pl. 44, figs. 9, 10
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 163 *Meretrix nuttalliopsis fulva* Harris Lectotype, herein designated
Harris, B.A.P., v. 2, No. 9, 1897, p. 62, pl. 12, fig. 8 lectotype
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- 164 *Meretrix nuttalliopsis fulva* Harris Paratype
Harris, B.A.P., v. 2, No. 9, 1897, p. 62, pl. 12, fig. 9
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- 165 *Meretrix nuttalliopsis fulva* Harris Paratype
Harris, B.A.P., v. 2, No. 9, 1897, p. 62, pl. 12, fig. 10
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- 1176 *Meretrix ovata pyga* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 141, pl. 44, fig. 11
Pope's Creek, Charles Co., Md. Nanjemoy fm., lower
Eocene
- 1161 *Meretrix perovata* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1162 *Meretrix perovata* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1164 *Meretrix perovata* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Meretrix perovata* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 13a (lost
prior to 1937)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 44 *Meretrix perovata aldrichi* Harris Holotype
Harris, B.A.P., v. 1, No. 1, 1895, p. 48, pl. 1, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 1167 *Meretrix perovata aldrichi* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 17; pl. 44,
fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1168 *Meretrix perovata aldrichi* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 44, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1169 *Meretrix perovata aldrichi* Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 44, fig. 2a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1158 *Meretrix perovata lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 137, pl. 43, fig. 8
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1159 *Meretrix perovata lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 137, pl. 43, fig. 9
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1160 *Meretrix perovata subvitrea* de Gregorio Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 138, pl. 43, fig. 11
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
See *Callista perovata subvitrea* (de Gregorio)
- 1182 *Meretrix poulsoni* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 144, pl. 46, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1183 *Meretrix poulsoni* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 144, pl. 46, figs. 4, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1184 *Meretrix poulsoni* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 144, pl. 46, fig. 4a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., Eocene
- 70 *Meretrix tripleyana* (Gabb) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 67, pl. 6, fig. 7
Huddleston's 3 mi. W. of Crainesville, Hardeman Co., Tenn.
Midway gr., Paleocene
- 161 *Meretrix subimpressa* (Conrad) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Callista sylvaerupis* (Harris)

- 162 ***Meretrix subimpressa*** (Conrad) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 63, pl. 12, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Callista sylvaeurupis* (Harris)
- 1153 ***Meretrix subimpressa*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 135, pl. 43, fig. 3
Pope's Cr., Charles Co., Md. Nanjemoy fm., lower
Eocene
- 20122 ***Meretrix subimpressa golfotristensis*** Maury Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S.40° E. of well Sibucara No. 4, Cojoro Structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 20126 ***Meretrix subimpressa golfotristensis*** Maury Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
Approx. 1570 m. S. 44° E. of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 1152 ***Meretrix sylvaeurupis*** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 136, pl. 43, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] fm., lower Eocene
See *Callista sylvaeurupis* (Harris)
- 1177 ***Meretrix texacola*** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 142, pl. 44, fig. 12
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1178 ***Meretrix texacola*** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 142, pl. 44, fig. 12a
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1189 ***Meretrix trigoniata*** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 146, pl. 47, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1190 ***Meretrix trigoniata*** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 146, pl. 47, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1191 ***Meretrix trigoniata*** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1946, p. 146, pl. 47, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Pitaria (Lamelliconcha) trigoniata* (Lea)
- 1192 ***Meretrix trigoniata bastropensis*** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 148, pl. 47, fig. 5
Sabine R., La. (see Veatch Survey, 1902, p. 129) Clai-
borne gr., middle Eocene (for discussion see Stenzel, Krause,
and Twining, 1957 p. 136)

- 1185 ***Meretrix trigoniata winnensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, fig. 9
 Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
 See *Pitaria winnensis* (Harris)
- 1186 ***Meretrix trigoniata winnensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, fig. 10
 Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
- 1187 ***Meretrix trigoniata winnensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, figs. 11, 13
 Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
- 1188 ***Meretrix trigoniata winnensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, fig. 12
 Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
 See *Pitaria winnensis* (Harris)
- 6017 ***Meristella* sp.** Figured specimen
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 70, pl. 7, figs. 9, 9a
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 5461 ***Meristella wheeleri* Caster** Holotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 169, pl. 12, fig. 14 (in-
 ternal mold)
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series
 Middle Devonian
- 5461A ***Meristella wheeleri* Caster** Holotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 169, pl. 12, fig. 15 (ex-
 ternal mold)
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series
 Middle Devonian
- 5462 ***Meristella wheeleri* Caster** Paratype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 169
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
 Rosa and Corales, Dept. of Boyaca, Col. Floresta series
 Middle Devonian
- 6061 ***Meristella wheeleri* Caster** Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 70, pl. 7, fig. 8
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- Mesalia alabamiensis* (Whitfield)** Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 113, pl. 12, fig. 1 (lost
 prior to 1937)

One half mi. W. of Graveyard Hill, Allenton, Wilcox Co., Ala.
Midway gr., Paleocene

- 2926 **Mesalia claibornensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 207, pl. 27, fig. 9
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2927 **Mesalia claibornensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 207, pl. 27, fig. 16
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2334 **Mesalia (Woodsalia) inca** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 61, pl. 10, fig. 5 (lost prior to 1937)
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 4879 **Mesalia janja** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 68, pl. 10, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4880 **Mesalia janja** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 68, pl. 10, fig. 2 (broken after figuring)
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4881 **Mesalia janja** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 68, pl. 10, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 3865 **Mesalia (Woodsalia) negritosensis** (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 13, pl. 4, fig. 5
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
Type species of *Woodsalia*, Olsson, 1929
- 3866 **Mesalia (Woodsalia) negritosensis** (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 13, pl. 4, fig. 6
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3761 **Mesalia peruviana** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 60, pl. 10, fig. 4
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 2918 **Mesalia pleboides** Vaughan Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 208, pl. 27, fig. 5
Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., 2 mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 2919 **Mesalia pleboides** Vaughan Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 208, pl. 27, fig. 11
Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2920 **Mesalia pleboides** Vaughan Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 208, pl. 27, fig. 12
Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 275 **Mesalia pumila alabamiensis** (Whitfield) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 76, pl. 10, fig. 9
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 112 ?**Mesalia** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 114, pl. 12, fig. 3
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 2921 **Mesalia vetusta** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 205, pl. 27, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2922 **Mesalia vetusta** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 205, pl. 27, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2923 **Mesalia vetusta** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 205, pl. 27, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2924 **Mesalia vetusta** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 205, pl. 27, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2925 **Mesalia vetusta** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 205, pl. 27, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4607 **Mesalia vetusta** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 297,
pl. 38, fig. 1
Little Stave Cr., Clarke Co., Ala. Gosport sd., upper-
most Claiborne gr., middle Eocene
- 4608 **Mesalia vetusta** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 297,
pl. 38, fig. 2
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene

- 4609 *Mesalia vetusta* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 297,
pl. 38, fig. 3
Sims Siding, 8 mi. N. Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson gr., upper Eocene
- 4610 *Mesalia vetusta* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 297,
pl. 38, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 110 *Mesalia watsonensis* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 114, pl. 12, fig. 2
R.R. cut 2 mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 111 *Mesalia watsonensis* Harris Paratype
Harris, B.A.P., v. 1, No. 4, 1896, p. 114
R.R. cut 2 mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 21280 *Mesodesma costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 265, pl. 28, fig. 18
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21289 *Metis barba* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 255, pl. 29, figs. 3, 4 (both
valves)
Río Vetey, Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 24038 *Metis barba wiedenmayeri* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
14, pl. 7, fig. 3
E. 2.7 km. and S. 1 km. from Iglesia de Bisures (Iglesia de
Bisures is 30 km. E. and 17 km. N. of Dabajuro), Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24039 *Metis barba wiedenmayeri* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
14, pl. 7, fig. 4
E. 2.7 km. and S. 1 km. from Iglesia de Bisures (Iglesia de
Bisures is 30 km. E. and 17 km. N. of Dabajuro), Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 1403 *Metis eutawensis* Harris Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 14, pl. 2,
fig. 3
Eutaw Springs, Orangeburg Co., S. C. Santee ls.,
Jackson gr., upper Eocene
- 24017 *Metis falconensis* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 13,
pl. 4, figs. 1, 4
Mesa de Saladillo, SW. of Coro, Dist. of Miranda, St. of Falcón,
Ven. middle Miocene

- 1879 **Metis olssoni** Caster Holotype
Caster, Comun. Servicos Geol. de Portugal, v. 20, 1938, p. 23,
pl. 4, figs. 6, 7
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1880 **Metis olssoni** Caster Paratype
Caster, Comun. Servicos Geol. de Portugal, v. 20, 1938, p. 23,
pl. 4, figs. 8, 9
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 890 **Metis trinitaria** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 121, pl. 22, fig. 2
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 892 **Metis trinitaria** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 121, pl. 22, fig. 2
Springvale*, [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- Metis trinitaria** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 121, pl. 22, fig. 8 (lost
prior to 1937)
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 22934 **Metis trinitaria colombiensis** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 24, pl. 5, fig. 6
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- 4063 **Metula amosi** Vanatta Hypotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 69, pl. 9, fig. 9
Thatcher's Ferry, C. Z. Pleistocene
- 21050 **Metula cancellata** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 115, pl. 10, fig. 12
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21049 **Metula gabbi** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 115, pl. 10, fig. 11
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 4666 **Metula gentilicia** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 346,
pl. 45, figs. 12, 13
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene

- 3020 ***Metula gracilis*** Johnson Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 285, pl. 37, figs. 10, 16
 Sabine R., outcrop 22, Tex. side opposite SE. $\frac{1}{4}$ Sec. 35, T. 5
 W., R. 13 N., Sabine Par., La. (Veatch Survey, 1902, p. 129)
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, Krause, and Twining, 1957, p. 61)
- 21048 ***Metula harrisi*** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 116, pl. 10, fig. 10
 Coco Plum, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 21043 ***Metula harrisi limonensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 116, pl. 10, fig. 5
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21044 ***Metula harrisi limonensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 116, pl. 10, fig. 6
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 2116 ***Metula peruviana*** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 104, pl. 18, fig. 13
 Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 4062 ***Metula pilsbryi*** Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 69, pl. 9, fig. 8
 Río La Vaca, upper part, 20 km. N. 45° W. of Puerto Armuelles,
 Chiriquí Prov., Cuba Charco Azul fm., Pliocene
- 20254 ***Metula* sp.** Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
 Well Lagunillas No. 456, depth 3059-3080 ft., Bolivar Coastal
 Field, Dist. of Bolivar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 4661 ***Metula subgracilis*** Johnson Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 345,
 pl. 45, figs. 7, 8
 Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 285 ***Metula sylvaerupis*** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 56, pl. 7, fig. 7
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 5332 ***Michelinoceras swartha*** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 18, pl. 1, fig. 1
 Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5333 ***Michelinoceras swartha*** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 18, pl. 1, fig. 2
 Stockbridge [*fide* author], Madison Co., N. Y. [not Union
 Springs as in expl. of pl.] Cherry Valley ls., Marcellus
 fm., lower Erian series, Middle Devonian

- 5334 **Michelinoceras swarthi** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 18, pl. 1, fig. 3
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5335 **Michelinoceras swarthi** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 18
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5336 **Michelinoceras swarthi** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 18 [add in text p. 20
 paratype 5336]
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 2614 **Microdrillia citreona** Harris Holotype
 Harris, P. A. v. 2, No. 7, 1937, p. 93, pl. 14, figs. 34, 35
 Three mi. NW. Orangeburg, Orangeburg Co., S. C.
 McBean fm., upper Claiborne gr., middle Eocene
- 2612a **Microdrillia harrisi** (Aldrich) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 91, pl. 14, fig. 27
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)
- 2612b **Microdrillia harrisi** (Aldrich) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 91, pl. 14, fig. 28
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)
- 2613a **Microdrillia ouachitae** Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 92, pl. 14, fig. 31; Harris and
 Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 440, pl. 61, fig. 8
 Danville Ldg., Ouachita R., Catahoula Par., La. lower
 Jackson gr., upper Eocene
- 2613b **Microdrillia ouachitae** Harris Paratype
 Harris, P. A., v. 2, No. 7, 1937, p. 92, pl. 14, fig. 32
 Danville Ldg., Ouachita R., Catahoula Par., La. lower
 Jackson gr., upper Eocene
- 4976 **Microdrillia parthenoides** Harris Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 439,
 pl. 61, fig. 7
 Sabine R., 1 mi. below Robinson's Ferry, Sabine Co., Tex.
 (Veatch Survey, 1902) Jackson gr., upper Eocene
- 2615a **Microdrillia robustula** Casey "var." Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 93, pl. 14, fig. 48
 Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
 designated, see Veatch, 1902, p. 129-130) middle or
 upper Claiborne gr., middle Eocene
- 2615b **Microdrillia robustula** Casey Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 93, pl. 14, fig. 48a

Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene

- 2615c *Microdrillia robustula* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 93, pl. 14, fig. 49 (missing prior to 1939)
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 20260 *Microdrillia* cf. *trina* Mansfield Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Punta Benitez No. 131, depth 3156-3168 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 699 *Micromeris minutissima* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 95, pl. 32, figs. 24, 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 5809 *Micronoceras apertum* Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 49, pl. 4, figs. 4, 5
Skaneateles Lake, Onondaga Co., N. Y. Hamilton gr., Middle Devonian
- 5806 *Micronoceras delphicolum* Flower Holotype
Flower, P. A., v. 2, No. 9, 1938, p. 46, pl. 4, figs. 6, 7
Delphi Falls, Onondaga Co., N. Y. Hamilton gr., Middle Devonian
Type species of *Micronoceras* Flower, 1938
- 5807 *Micronoceras delphicolum* Flower Paratype
Flower, P. A., v. 2, No. 9, 1938, p. 46, pl. 3, figs. 14, 15
Delphi Falls, Onondaga Co., N. Y. Hamilton gr., Middle Devonian
- 5808 *Micronoceras raphanus* (Hall) Hypotype
Flower, P. A., v. 2, No. 9, 1938, p. 47; missing in 1956
Pratt's Falls, Onondaga Co., N. Y. Hamilton gr., Middle Devonian
- 24991 *Miltha bellardiana* (Mayer-Eymar) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 62, pl. 4, fig. 2
Sea cliff, 20 km. N. of Benguela Vehlha (= Port Amboim), Angola Miocene
- 24998 *Miltha bellardiana* (Mayer-Eymar) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 62
Sea cliff, 20 km. N. of Benguela Vehlha (= Port Amboim), Angola Miocene
- 24993 *Miltha harrisi* Darteville and Roger Holotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 63, pl. 4, fig. 5

- Sea cliff, 20 km. N. of Benguela Vehla (= Port Amboim),
Angola Miocene
- 24994 *Miltha harrisi* Darteville and Roger Paratype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 63
Sea cliff, 20 km. N. of Benguela Vehla (= Port Amboim),
Angola Miocene
- 24995 *Miltha harrisi* Darteville and Roger Paratype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 63
Sea cliff, 20 km. N. of Benguela Vehla (= Port Amboim),
Angola Miocene
- 24495 *Miltha ocalana* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 21, pl. 10, fig. 7
Reddick, Marion Co., Fla. "Ocala ls.", Jackson gr.,
upper Eocene
- 24496 *Miltha ocalana* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 21, pl. 10, fig. 8
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24497 *Miltha ocalana* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 21, pl. 10, fig. 9
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 2202 *Miltha pacifica* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 93, pl. 7, fig. 3
Quebrada Montera, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2203 *Miltha pacifica* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 93, pl. 7, fig. 4
Quebrada Montera, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2204 *Miltha pacifica* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 93, pl. 7, fig. 5
Quebrada Montera, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 21858 *Miogypsina hawkinsi* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 28, pl. 7, fig. 9
Quebrada Agua Dulce near La Planchada, SE. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
Clara fm., upper Oligocene
- 21859 *Miogypsina hawkinsi* H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 28, pl. 8, fig. 1
Quebrada Agua Dulce near La Planchada, SE. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
Clara fm., upper Oligocene
- 21860 *Miogypsina hawkinsi* H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 28, pl. 8, fig. 2

Quebrada Agua Dulce near La Planchada, SE. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
Clara fm., upper Oligocene

- 25495 **Miogypsina thecideaeformis** (Rutten) Hypotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 5, pl. 3, fig. 2
Rovene, Circumscription of Masings, Dist. of Inhambane, Port.
E. Africa (Mozambique) Aquitanian or Burdigalian
Miocene
- 25496 **Miogypsina thecideaeformis** (Rutten) Hypotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 5, pl. 3, fig. 3
Rovene, Circumscription of Masings, Dist. of Inhambane, Port.
E. Africa (Mozambique) Aquitanian or Burdigalian
Miocene
- 25497 **Miogypsina thecideaeformis** (Rutten) Hypotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 5, pl. 3, fig. 4
Rovene, Circumscription of Masings, Dist. of Inhambane, Port.
E. Africa (Mozambique) Aquitanian or Burdigalian
Miocene
- 25498 **Miogypsina thecideaeformis** (Rutten) Hypotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 5, pl. 3, fig. 5
Rovene, Circumscription of Masings, Dist. of Inhambane, Port.
E. Africa (Mozambique) Aquitanian or Burdigalian
Miocene
- 25499 **Miogypsina thecideaeformis** (Rutten) Hypotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 5, pl. 3, fig. 6
Rovene, Circumscription of Masings, Dist. of Inhambane, Port.
E. Africa (Mozambique) Aquitanian or Burdigalian
Miocene
- 21861 **Miogypsina venezuelana** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 29, pl. 8, fig. 3
El Alambre near La Planchada, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm.,
upper Oligocene
- 21862 **Miogypsina venezuelana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 29, pl. 8, fig. 4
El Alambre near La Planchada, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm.,
upper Oligocene
- 21863 **Miogypsina venezuelana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 29, pl. 8, fig. 5
El Alambre near La Planchada, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm.,
upper Oligocene
- 21864 **Miogypsina venezuelana** H. K. Hodson Paratype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 29, pl. 8, fig. 6
El Alambre near La Planchada, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm.,
upper Oligocene

- 20323 *Miscellanea dickersoni* (D. K. Palmer) Hypotype
Cole, B.A.P., v. 31, No. 126, 1947, p. 14, pl. 1, fig. 8 (slide)
Near Abra de Castillon, 13 km. ESE. of San Fernando, Santa
Clara Prov., Cuba Upper Cretaceous
- 20324 *Miscellanea dickersoni* (D. K. Palmer) Hypotype
Cole, B.A.P., v. 31, No. 126, 1947, p. 14, pl. 1, fig. 11 (slide)
One km. W. of Baños de Ciego Montero, in bank of Río Anaya,
Santa Clara Prov., Cuba Upper Cretaceous
- 20325 *Miscellanea dickersoni* (D. K. Palmer) Hypotype
Cole, B.A.P., v. 31, No. 126, 1947, p. 14, pl. 1, fig. 12 (slide)
One km. W. of Baños de Ciego Montero, in bank of Río Anaya,
Santa Clara Prov., Cuba Upper Cretaceous
- 20326 *Miscellanea dickersoni* (D. K. Palmer) Hypotype
Cole, B.A.P., v. 31, No. 126, 1947, p. 14, pl. 1, fig. 13 (slide)
One km. W. of Baños de Ciego Montero, in bank of Río Anaya,
Santa Clara Prov., Cuba Upper Cretaceous
- 20327 *Miscellanea dickersoni* (D. K. Palmer) Hypotype
Cole, B.A.P., v. 31, No. 126, 1947, p. 14, pl. 1, fig. 18 (slide)
One km. W. of Baños de Ciego Montero, in bank of Río Anaya,
Santa Clara Prov., Cuba Upper Cretaceous
- 20505 *Mistostigma punctulum* Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 10 (3 specimens)
Bath-house Cliff, San Pedro, Los Angeles Co., Calif.
upper Pliocene
- 20509 *Mistostigma punctulum* Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 10 (9 specimens)
Near 2d and Pacific streets, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 20975 *Mitra almagrensis coralliophila* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 103, pl. 6, fig. 18
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20981 *Mitra almagrensis coralliophila* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 103, pl. 6, fig. 24
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3448 *Mitra barnardensis* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 18, pl. 4, fig. 9
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3451 *Mitra berkeyi* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 19, pl. 5, fig. 2
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 22951 *Mitra colombiana* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 47, pl. 6, figs. 11, 12

Near Tuberá, between Las Perdices and Pto. Colombia, Dept. of Atlántico or E. of Esperanza, Dept. of Bolívar, Col.
Miocene

- 4048 **Mitra cyclica** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 64, pl. 7, fig. 1
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul fm., Pliocene
- 20982 **Mitra dariensis** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 101, pl. 6, fig. 25
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 24106 **Mitra dariensis venezuelana** F. Hodson Holotype
Hodson, F., and Hodson, H. K., v. 16, No. 59, 1931, p. 42, pl. 20, figs. 6, 7
E. 2.3 km. and N. 750 m. of La Vela de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven. upper middle Eocene
- 267 **Mitra hatchetigbeensis** Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 39, pl. 4, fig. 11
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 1040 **Mitra henekeni** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 202, pl. 35, fig. 2
Dom. Rep. Miocene
- 22952 **Mitra cf. limonensis** Olsson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 48, pl. 6, fig. 13
Near Tuberá, Dept. of Atlántico, Col. Miocene
- 20967 **Mitra longa** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 101, pl. 6, fig. 10
Gatun, C. Z. Gatun fm., middle Miocene
- 1039 **Mitra longa couvensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 203, pl. 35, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 1042 **Mitra longa couvensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 203, pl. 35, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 211 **Mitra mauryi** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 11, pl. 2, fig. 14
James R., N. of Smithfield, Isle of Wight Co., Va. Yorktown fm., upper Miocene
- 212 **Mitra mauryi** Olsson Paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 11, pl. 2, fig. 15
James R., N. of Smithfield, Isle of Wight Co., Va. Yorktown fm., upper Miocene

- 3450 *Mitra myttonis* Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 18, pl. 5, fig. 1
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 3450a *Mitra myttonis* Maury Paratype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 18
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
 fm., Alum Bluff gr., lower Miocene
- 266 *Mitra pergracilis* (Aldrich) Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 39, pl. 4, fig. 10
 Greggs Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 20977 *Mitra poas* Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 102, pl. 6, fig. 20
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 20978 *Mitra poas* Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 102, pl. 6, fig. 21
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 24105 *Mitra quirosana* F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
 42, pl. 20, figs. 3, 4
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 20970 *Mitra cf. rudis* Gabb Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 102, pl. 6, fig. 13
 Hone Walk Creek, Limon Prov., C. R. Gatun fm.,
 middle Miocene
- 1051 *Mitra sanctifrancisci* Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 204, pl. 35, fig. 13
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 3449 *Mitra scopuli* Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 18, pl. 4, fig. 10
 Lower bed at Alum Bluff, E. side of Apalachicola R., Liberty
 Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 100 *Mitra subpontis* Harris Syntype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 86, pl. 8, fig. 7
 Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 101 *Mitra subpontis* Harris Syntype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 86, pl. 8, fig. 7a
 Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 20959 *Mitra swainsoni limonensis* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 100, pl. 6, fig. 1

- Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24252 **Mitra (Tiara) yasila** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 43, pl. 10, fig. 1
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24253 **Mitra (Tiara) yasila** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 43, pl. 10, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24798 **Mitrella albella iontha** Ravenel Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 147, pl. 32, fig. 227
Sanibel, Lee Co., Fla. Recent
See *Pyrene albella iontha* (Ravenel)
- 3019 **Mitrella (Bastropia) bastropensis** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 283, pl. 37, figs. 1, 7
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3028 **Mitrella (Clinurella) bucciniformis** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 281, pl. 38, fig. 7
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
Palmer, B.A.P., v. 7, No. 32, 1937, p. 281, pl. 38, fig. 10
- 3029 **Mitrella (Clinurella) bucciniformis** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, p. 281, pl. 38, fig. 10
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene. (Not "*Mono-*
typgma" as in expl. of pl.)
- 3030 **Mitrella (Clinurella) casteri** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 282, pl. 38, fig. 13
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3031 **Mitrella (Clinurella) casteri** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 282, pl. 38, fig. 14
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3032 **Mitrella (Clinurella) casteri** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 282, pl. 38, fig. 15
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3033 **Mitrella (Clinurella) casteri** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 282, pl. 38, fig. 18
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3022 **Mitrella (Columbellopsis) elevata** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 280, pl. 37, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 3034 **Mitrella (Columbelopsis) mississippiensis** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 278, pl. 38, figs. 16, 17
Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3035 **Mitrella (Columbelopsis) mississippiensis** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 278, pl. 38, figs. 21, 22
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 4115 **Mitrella (Longitrella) vespertina** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 73, pl. 10, fig. 9 (not 5015 as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 3244 **Mitrolumna eocenensis** (Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 414, pl. 66, figs. 4, 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 4018, **Mitromorpha barbarena woodfordi** Berry Paratypes
4019 Berry, B.A.P., v. 27, No. 101, 1941, p. 10
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 4020, **Mitromorpha galeana** Berry Paratypes
4021 Berry, B.A.P., v. 27, No. 101, 1941, p. 12
Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- Mitromorpha smithfieldensis** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 9, pl. 1, fig. 4 (missing prior to 1937)
James R., N. of Smithfield, Isle of Wight Co., Va.
Yorktown fm., upper Miocene
- 3395 **Mnestia dekayi** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 483, pl. 75, fig. 31
Orangeburg district, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 3396 **Mnestia dekayi** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 483, pl. 75, fig. 32
Orangeburg district, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene
- 3397 **Mnestia dekayi** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 483, pl. 75, figs. 33, 34
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 20020 **Mnestia meyeri** (Cossmann) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 451, pl. 64, fig. 5

- Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 192 **Modiola alabamensis** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 47, pl. 7, fig. 9
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 5264 **Modiola (Mytilops) metella** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 73, pl. 40, figs. 1, 10
One mi. SE. of Bradford, McKean Co., Pa. Salamanca
fm., Conewango stage, Upper Devonian
- 5302 **Modiola (Mytilops) metella** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 73, pl. 42, figs. 1, 8
One mi. SE. of Bradford, McKean Co., Pa. Salamanca
fm., Conewango stage, Upper Devonian
- 5231 **Modiola cf. metella or praecedens** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 72, pl. 23, figs. 1, 3, 6
Stone ledge near Checkered School House, Panama, Chautau-
qua Co., N. Y. Panama cgl., Conewango stage, Upper
Devonian
- 5268 **Modiola (Mytilops) praecedens** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 72, pl. 40, figs. 7, 8
One mi. SE. of Bradford, McKean Co., Pa. Salamanca
fm., Conewango stage, Upper Devonian
- 54 **Modiola saffordii** Gabb Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 49, pl. 3, fig. 4
Hannah's, 1¾ mi. N. of Crainesville, Hardeman Co., Tenn.
Midway gr., Paleocene
- Modiola saffordii** Gabb Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 49, pl. 3, fig. 5 (lost prior
to 1937)
Texas Midway gr., Paleocene
- 5272 **Modiola** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 72, pl. 40, fig. 17
One mi. E. of Stoneham, Warren Co., Pa. Conewango
stage, Upper Devonian
- 55 **Modiola subpontis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 49, pl. 3, fig. 6a
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 56 **Modiola subpontis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 49, pl. 3, fig. 6
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 24623 **Modiolaria lateralis** (Say) Representative specimen
Perry and Schwengel, 1955, p. 55, pl. 8, fig. 45
Sanibel, Lee Co., Fla. Recent
- 24615 **Modiolus americanus** (Leach) Representative specimen
Perry and Schwengel, 1955, p. 53, pl. 7, fig. 36
Sanibel, Lee Co., Fla. Recent

- 853 **Modiolus brassoensis** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 94, pl. 12, fig. 12
 Brasso junc. quarry, $\frac{1}{2}$ mi. N. of Brasso station, Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
 Miocene
- 477 **Modiolus cawcawensis** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 31, pl. 17, fig. 3
 Five mi. N. Orangeburg, Orangeburg Co., S. C. McBean
 fm., upper Claiborne gr., middle Eocene
- 478 **Modiolus cawcawensis** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 31, pl. 17, fig. 4
 Five mi. N. Orangeburg, S. C. McBean fm., upper
 Claiborne gr., middle Eocene
- 24616 **Modiolus citrinus** (Bolten) Roeding Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 47, pl. 7, fig. 38
 Sanibel, Lee Co., Fla. Recent
 See *Brachidontes citrinus* (Roeding)
- 24923 **Modiolus demissus granosissimus** (Sowerby) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 46, pl. 7, fig. 37; Perry
 and Schwengel, 1955, p. 53, pl. 7, fig. 37
 Sanibel, Lee Co., Fla. Recent
 See *Modiolus tulipus* (Linnaeus)
- 3488 **Modiolus gigantoides** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 13, pl. 2, figs. 1, 2
 Lake Waccamaw, Columbus Co., N. C. Waccamaw fm.,
 lower Pliocene
- 3489 **Modiolus gigantoides** Olsson Paratype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 13, pl. 2, fig. 3
 Lake Waccamaw, Columbus Co., N. C. Waccamaw fm.,
 lower Pliocene
- 3725 **Modiolus mutisus** Olsson Paratype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 34, pl. 4, fig. 3
 Pan de Azucar, lat $4^{\circ} 36'$ S.; long $81^{\circ} 6'$ W., Dept. of Piura,
 Peru Pananga fm., Aptian—upper Albian
- 3728 **Modiolus mutisus** Olsson Holotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 34, pl. 4, fig. 7
 Pan de Azucar, lat $4^{\circ} 36'$ S.; long $81^{\circ} 6'$ W., Dept. of Piura,
 Peru Pananga fm., Aptian—upper Albian
- 24618 **Modiolus opifex** (Say) Representative specimen
 Perry and Schwengel, 1955, p. 54, pl. 7, fig. 40
 In coral off Sanibel, Lee Co., Fla. Recent
- 24617 **Modiolus papyria** (Conrad) Representative specimen
 Perry and Schwengel, 1955, p. 53, pl. 7, fig. 39
 San Carlos Bay, Lee Co., Fla. Recent
- 3727 **Modiolus portunus** Olsson Holotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 35, pl. 4, fig. 5
 Monte Grande, lat $4^{\circ} 28'$ S.; long $81^{\circ} 4'$ W., Dept. of Piura,
 Peru Monte Grande fm., Maestrichtian

- 3506 **Modiolus pulchellus** Olsson Syntype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 12, pl. 4, fig. 12
 Kings Mill, James City Co., Va. Yorktown fm., upper
 Miocene
- 3507 **Modiolus pulchellus** Olsson Syntype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 12, pl. 4, fig. 13
 Kings Mill, James City Co., Va. Yorktown fm., upper
 Miocene
- 3508 **Modiolus pulchellus** Olsson Syntype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 12, pl. 4, fig. 14
 Kings Mill, James City Co., Va. Yorktown fm., upper
 Miocene
- 479 **Modiolus texanus** Gabb Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 32, pl. 17, fig. 8
 Near Georgetown, Quitman Co., Ga. McBean fm., upper
 Claiborne gr., middle Eocene
- 24923 **Modiolus tulipus** (Linnaeus) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 46, pl. 7, fig. 37
 Sanibel, Lee Co., Fla. Recent
 See *Modiolus demissus granisissimus* (Sowerby)
- 779 **Modiolus waringi** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 93, pl. 17, fig. 1
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
 upper Miocene
- 24760 **Modulus modulus** (Linnaeus) Representative specimen
 Perry and Schwengel, 1955, p. 138, pl. 27, fig. 187
 Sanibel, Lee Co., Fla. Recent
- 24761 **Modulus modulus floridanus** Conrad Representative specimen
 Perry and Schwengel, 1955, p. 138, pl. 27, fig. 188a, b
 Sanibel, Lee Co., Fla. Recent
- 1069 **Modulus tamanensis** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 237, pl. 40, fig. 2
 At 13th mi. post Guaico-Tamana rd., S. Tamana Ward, SW. St.
 Andrew Co., Trinidad, W. I. Machapoorie mem., Man-
 zanilla fm., Miocene
- 1070 **Modulus tamanensis** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 237, pl. 40, fig. 3
 At 13th mi. post Guaico-Tamana rd., S. Tamana Ward, SW. St.
 Andrew Co., Trinidad, W. I. Machapoorie mem., Man-
 zanilla fm., Miocene
- 1377 **Molleria harrisi** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 23, pl. 3, figs. 18, 19
 Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
 Duplin fm., upper Miocene

- Molleria smithfieldensis** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 24, pl. 3, fig. 17 (missing prior to 1937)
 James R., N. of Smithfield, Isle of Wight Co., Va.
 Yorktown fm., upper Miocene
- 4015 **Moniliopsis chacei** Berry Paratype
 Berry, B.A.P., v. 27, No. 101, 1941, p. 6
 Hilltop Quarry, San Pedro, Los Angeles Co., Calif.
 Lomita fm., lower Pleistocene
- 24181 **?Moniliopsis paytensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 32, pl. 3, fig. 8
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24187 **?Moniliopsis paytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 32, pl. 3, fig. 14
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24188 **?Moniliopsis paytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 32, pl. 3, fig. 15
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24180 **Moniliopsis peruviana** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 7
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24185 **Moniliopsis peruviana** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 12
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24191 **Moniliopsis peruviana** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 18
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24192 **Moniliopsis peruviana** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 31, pl. 3, fig. 19
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24836 **Monilispira leucocyma** Dall Representative specimen
 Perry and Schwengel, 1955, p. 183, pl. 38, fig. 263
 Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24837 **Monilispira monilis** Bartsch and Rehder Representative specimen
 Perry and Schwengel, 1955, p. 183, pl. 38, fig. 264
 Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 4012 **?Monocondylaea azoguensis** Palmer Holotype
 Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 49, pl. 9, fig. 8
 Three km. NW. Azógues, Cañar Prov., Ecua. Biblián ss. possible Miocene

- 4007 **?*Monocondylaea pacchiana*** Palmer Syntype
 Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 49,
 pl. 9, fig. 1 (text sp. *pacchiana* = *M. pacchensis* expl. of pl.)
 Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecua.
 Biblián ss., possible Miocene
- 4008 **?*Monocondylaea pacchiana*** Palmer Syntype
 Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 49,
 pl. 9, fig. 2 (text sp. *pacchiana* = *M. pacchensis* expl. of pl.)
 Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecua.
 Biblián ss., possible Miocene
- 3027 ***Monoptygma crassiplica*** Conrad in Gabb Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 298, pl. 38, figs. 3, 5
 Monroe, Ouachita Par., La. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene
- 3026 ***Monoptygma leai*** Whitfield Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 297, pl. 38, figs. 1, 2
 Lisbon, Alabama R., Monroe Co., Ala. Cook Mt. fm.,
 [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 3036 ***Monoptygma lymneoides*** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 296, pl. 38, figs. 19, 20
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 20211 ***Montacuta* sp. (Lucina)** Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Ambrosio No. 67, depth 1055-1056 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 24337 ***Montastrea cubana*** Wells Holotype
 Wells, B.A.P., v. 26, No. 97, 1941, p. 11, pl. 2, fig. 3
 Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
 Cuba Upper Cretaceous
- 24338 ***Montastrea cubana*** Wells Paratype
 Wells, B.A.P., v. 26, No. 97, 1941, p. 11, pl. 2, fig. 3a (slide)
 Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
 Cuba Upper Cretaceous
- 24341- ***Montastrea cubana*** Wells Paratypes
 24344 Wells, B.A.P., v. 26, No. 97, 1941, p. 11
 Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
 Cuba Upper Cretaceous
- 24357 ***Montastrea parinasensis*** Wells Holotype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 7, pl. 1, fig. 2
 Parinas Valley, Dept. of Piura, Peru Monte Grande
 fm., Maestrichtian
- 24358 ***Montastrea parinasensis*** Wells Paratypes
 Wells, B.A.P., v. 26, No. 98, 1941, p. 7
 Parinas Valley, Dept. of Piura, Peru Monte Grande
 fm., Maestrichtian

- 4254 **Monticulipora** sp. Unfigured specimen
Cleland, B.A.P., v. 3, No. 13, 1900, p. 22
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5931 **Montyoceras arcuatum** Flower Holotype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 544, pl. 76, figs. 8, 9
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5942 **Montyoceras curvisseptatum** Flower Holotype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 544, pl. 76, fig. 10
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5941 **Montyoceras titaniforme** Flower Holotype
Flower, Jour. Pal., v. 15, No. 5, 1941, p. 544, pl. 77, figs. 4, 5
Little Monty Bay, SE. Chazy, Clinton Co., N. Y.
Valcour ls., upper Chazy ls., Chazyan, lower Champlainian
(Middle) Ordovician
- 5865 **Mooreoceras** sp. Figured specimen
Flower, P. A., v. 2, No. 10, 1939, p. 151, pl. 4, fig. 5
Univ. of Ind. campus, Bloomington, Monroe Co., Ind.
Salem ls., Middle Mississippian
- 2091 **Morum (Herculea) charanalense** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 97, pl. 17, fig. 1
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mancora fm., middle Oligocene
- 2092 **Morum (Herculea) charanalense** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 97, pl. 17, fig. 2
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mancora fm., middle Oligocene
- 2096 **Morum (Oniscidea) chiraensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 96, pl. 17, fig. 6
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2098 **Morum (Oniscidea) chiraensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 96, pl. 17, fig. 8
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2093 **Morum (Oniscidea) dollioides** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 96, pl. 17, fig. 3
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mirador ss., Mancora fm.,
middle Oligocene
- 2094 **Morum (Oniscidea) dollioides** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 96, pl. 17, fig. 4
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mirador ss., Mancora fm.,
middle Oligocene

- 2095 **Morum (Oniscidea) peruvianum** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 95, pl. 17, fig. 5
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2097 **Morum (Oniscidea) peruvianum** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 95, pl. 17, fig. 7
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 25321 **Mulinia lateralis** Say Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 4
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 24695 **Mulinia lateralis corbuloides** Deshayes Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 83, pl. 17, fig. 115; Perry
and Schwengel, 1955, p. 89, pl. 17, fig. 115
Sanibel, Lee Co., Fla. Recent
- 21283 **Mulinia lateralis sauryensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 265, pl. 28, fig. 23
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21284 **Mulinia lateralis sauryensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 265, pl. 28, fig. 24
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 2257 **Mulinia zorritensis** (Nelson) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 130, pl. 14, fig. 6
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 4852 **Mulinoides chicama** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 61, pl. 6, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4854 **Mulinoides chilca** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 61, pl. 7, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
Type species of *Mulinoides* Olsson, 1944
- 4855 **Mulinoides chilca** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 61, pl. 7, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4856 **Mulinoides chilca** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 61, pl. 7, figs. 4, 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 5385 **Murchisonia mohawkensis** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 14, pl. 15, fig. 13

Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician

- 5386 **Murchisonia mohawkensis** Cleland Paratypes
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 14 (2 specimens)
 Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower- Ordo-
 vician
- 24782 **Murex cabritii** Bernardi Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 140, pl. 30, fig. 211; Perry
 and Schwengel, 1955, p. 152, pl. 30, fig. 211
 Sponge fisheries off Tarpon Springs, Pinellas Co., Fla.
 Recent
- 24788 **Murex cellulosus** (Conrad) Representative specimen
 Perry and Schwengel, 1955, p. 155, pl. 31, fig. 217
 Sanibel, Lee Co., Fla. Recent
- 3002 **Murex colei** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 265, pl. 35, figs. 4, 6
 About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
 McBean fm., upper Claiborne gr., middle Eocene
- 3015 **Murex engonatus** Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 267, pl. 36, figs. 9, 13
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene
- 3016 **Murex engonatus** Conrad Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 267, pl. 36, fig. 10
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene
- 4650 **Murex (Phyllonotus) engonatus marksi** Harris Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 339,
 pl. 44, fig. 14
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4651 **Murex (Phyllonotus) engonatus marksi** Harris Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 339,
 pl. 44, fig. 15
 Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4652 **Murex (Phyllonotus) engonatus marksi** Harris Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 339,
 pl. 44, figs. 16, 17
 Bunker Hill, Ouachita R., Caldwell Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4653 **Murex (Phyllonotus) engonatus supernus** Palmer Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 341,
 pl. 44, figs. 1, 3
 Bayou Toro, "first bluff", Vernon Par., La. lower Jack-
 son gr., upper Eocene

- 4654 *Murex (Phyllonotus) engonatus supernus* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 341,
pl. 44, figs. 2, 4
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4655 *Murex (Phyllonotus) engonatus supernus* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 341,
pl. 44, fig. 5
Bayou Toro, "first bluff", Vernon Par., La. lower Jack-
son gr., upper Eocene
- 24784 *Murex florifer arenarius* Clench and Farfante
Representative specimen
Perry and Schwengel, 1955, p. 153, pl. 30, fig. 213
Four fm. off Sanibel, Lee Co., Fla. Recent
- 3017 *Murex fusates* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 265, pl. 37, figs. 17, 18
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3018 *Murex fusates* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 265, pl. 37, figs. 19, 21
(not 3918 as in expl. of pl.)
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3005 *Murex (Phyllonotus) mantelli* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 269, pl. 35, figs. 13, 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3006 *Murex (Phyllonotus) mantelli* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 269, pl. 35, figs. 15, 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24532 *Murex (Pteronotus) matthewsensis* Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 101, pl. 10, fig. 2
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 2999 Cf. *Murex migus* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 268, pl. 35, fig. 1
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 24785 *Murex pomum* Gmelin Representative specimen
Perry and Schwengel, 1955, p. 153, pl. 30, fig. 214
Sanibel, Lee Co., Fla. Recent
- 24900 *Murex pomum* Gmelin Hypotype
Perry and Schwengel, 1955, p. 153, pl. 49, figs. 338a, b, c. (egg
capsule)
Sanibel, Lee Co., Fla. Recent

- 24103 ***Murex recurvirostris quirosensis*** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 37, pl. 20, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24104 ***Murex recurvirostris quirosensis*** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 37, pl. 20, figs. 2, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24783 ***Murex recurvirostris rubidus*** F. C. Baker Representative specimen
Perry and Schwengel, 1955, p. 152, pl. 30, fig. 212
Sanibel, Lee Co., Fla. Recent
Murex sabinola Palmer, new name for *Murex veatchi* Palmer, 1937
See Appendix II this paper
- 24268 ***Murex scorpionius*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 58, pl. 11, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24269 ***Murex scorpionius*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 58, pl. 11, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24275 ***Murex scorpionius*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 58, pl. 11, fig. 10
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 3000 ***Murex vanuxemi*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 263, pl. 35, figs. 2, 5
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3001 ***Murex vanuxemi*** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 263, pl. 35, figs. 9, 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 4648 ***Murex vanuxemi*** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 338, pl. 44, figs. 10, 11
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4649 ***Murex vanuxemi*** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 338, pl. 44, figs. 12, 13
Bunker Hill Ldg., Ouachita R., Caldwell Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene

- 3003 ***Murex vanuxemi silvaticus* Palmer** Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 264, pl. 35, fig. 10
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3004 ***Murex vanuxemi silvaticus* Palmer** Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 264, pl. 35, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3461 ***Murex vaughani* Maury** Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 25, pl. 6, fig. 6
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3011 ***Murex veatchi* Palmer** Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 266, pl. 36, fig. 7
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
See *Murex sabinola* Palmer, new name
- 3012 ***Murex veatchi* Palmer** Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 266, pl. 36, figs. 11, 12
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
See *Murex sabinola* Palmer, new name
- 3013 ***Murex veatchi* Palmer** Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 266
Columbus, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene. Specimen examined by A. H. Wrigley,
England, and compared with *M. tricarinatus lobatus* Wrigley
See *Murex sabinola* Palmer, new name
- 3014 ***Murex veatchi* Palmer** Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 266
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
Specimen examined by A. H. Wrigley, England, and compared
with *M. tricarinatus lobatus* Wrigley
See *Murex sabinola* Palmer, new name
- 3462 ***Murex veatchi* Maury** Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 26, pl. 6, fig. 7
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3462a ***Murex veatchi* Maury** Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 26
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene

- 24097 **Murex venezuelanus** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 37, pl. 18, fig. 1
 In Río Codore, 4.65 km. N. and 550 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene
- 24101 **Murex venezuelanus** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 37, pl. 19, figs. 1, 3
 In Río Codore, 4.65 km. N. and 550 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene
- 3460 **Murex virginiae** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 25, pl. 6, fig. 5
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 4656 **Murex (Pteropurpura) weisbordi** Palmer Paratype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 343, pl. 45, fig. 19 (type locality 11, not 1054 as in text)
 Montgomery Ldg., lower bed, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4657 **Murex (Pteropurpura) weisbordi** Palmer Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 343, pl. 45, figs. 20, 21 (type locality 11, not 1054 as in text)
 Montgomery Ldg., upper bed, Red R., Grant Par., La.
 Moodys Branch fm., lower gr., upper Eocene
- 24789 **Muricopsis ostrearum** (Conrad) Representative specimen
 Perry and Schwengel, 1955, p. 155, pl. 31, fig. 218
 Sanibel, Lee Co., Fla. Recent
- 3009 **Murotriton grassator** de Gregorio Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 270, pl. 36, figs. 2, 6
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3010 **Murotriton meglameriae** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 271, pl. 36, figs. 4, 8
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 22587 **Murrayina barclayi** McLean Paratype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 87, pl. 11, figs. 4d-f
 Moore House Beach, base of bank on beach, York Co., Va. Yorktown fm., upper Miocene
- 22588 **Murrayina barclayi** McLean Holotype
 McLean, B.A.P., v. 38, No. 167, 1957, p. 87, pl. 11, figs. a-c
 Moore House Beach, base of bank on beach, York Co., Va. Yorktown fm., upper Miocene
- 22589 **Murrayina barclayi** McLean Paratypes
 McLean, B.A.P., v. 38, No. 167, 1957, p. 87
 Moore House Beach, base of bank on beach, York Co., Va. Yorktown fm., upper Miocene

- 22570 **Murrayina howei** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 85
Powells Lake Spillway, *Pecten* bed (top bed), James City Co.,
Va. Yorktown fm., upper Miocene
- 22571 **Murrayina howei** Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 85, pl. 10, figs. 4c-e
Crisfield Well, depth 248-287 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 22572 **Murrayina howei** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 85, pl. 10, figs. 4a,b
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22573 **Murrayina martini** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22574 **Murrayina martini** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86, pl. 11, figs. 3a-d
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22575 **Murrayina martini** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86, pl. 11, figs. 1a-c
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22576 **Murrayina martini** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86, pl. 11, figs. 2a, b
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22585 **Murrayina martini** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22586 **Murrayina martini** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22577 **Murrayina martini** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22578 **Murrayina martini** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22579 **Murrayina martini** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene

- 22580 *Murrayina martini* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22581 *Murrayina martini* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22582 *Murrayina martini* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22583 *Murrayina martini* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22584 *Murrayina martini* (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 86
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 25328 *Mya arenaria* Linnaeus Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 2
Cove below Mt. Desert Biological Station, Mt. Desert I., Hancock
Co., Me. Recent
- 3736 *Myopholas peruviana* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 36, pl. 5, fig. 7
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian
- 1955 ?*Myrtaea cookei* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 50, pl. 3, fig. 3
Belen, 4 mi. S. of Lagunitos*, Dept. of Piura, Peru
Heath fm., upper Oligocene
- 21328 *Myrtaea limoniana* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 221, pl. 32, fig. 11
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21340 *Myrtaea limoniana* Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 221, pl. 32, fig. 23 (lost
prior to 1955)
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 5309 *Mytilarca gibbosa* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 72, pl. 41, fig. 14
One mi. E. of Stoneham, Warren Co., Pa. Conewango
stage, Upper Devonian

- 6051 **Mytilarca (Plethomytilus) knappi** Hall Holotype
Hall, Nat. Hist. N. Y., v. 5, pt. 1, Lamellibranchiata I, 1884,
p. 256, pl. 87, fig. 13; Smith, B., B.A.P., v. 32, No. 132, 1949,
p. 4, pl. 1, fig. 1
Near Tenmile Point, Skaneateles Lake, Onondaga Co., N. Y.
Centerfield mem., Hamilton gr., Middle Devonian
- 5267 **Mytilarca cf. occidentalis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 72, pl. 40, fig. 5
Two mi. NW. of Warren Co., Pa. Conewango stage,
Upper Devonian
- 1927 **Mytilopsis trigalensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 42, pl. 1, fig. 3
Trigal Valley of Quebrada Boca Pan, Dept. of Tumbes, Peru
Punta Bravo grits, Mancora fm., middle Oligocene
- 1932 **Mytilopsis trigalensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 42, pl. 1, fig. 8
Trigal Valley of Quebrada Boca Pan, Dept. of Tumbes, Peru
lower Punta Bravo grits, Mancora fm., middle Oligo-
cene
- 1933 **Mytilopsis trigalensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 42, pl. 1, fig. 9
Trigal Valley of Quebrada Boca Pan, Dept. of Tumbes, Peru
lower Punta Bravo grits, Mancora fm., middle Oligo-
cene
- 1936 **Mytilus canoasensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 41, pl. 1, fig. 12
W. branch of Quebrada Canoas, 4 mi. inland, Dept. of Tumbes,
Peru Punta Bravo grits, Mancora fm., middle Oligocene
- 849 **Mytilus caroniensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 93, pl. 12, fig. 7
Brasso junc. quarry, $\frac{1}{2}$ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- 852 **Mytilus caroniensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 93, pl. 12, fig. 11
Brasso junc. quarry, $\frac{1}{2}$ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- 25337 **Mytilus demissus pliculatus** Lamarck Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 8
Provincetown Inn Cove, Provincetown, Barnstable Co., Mass.
Recent
- 25324 **Mytilus edulis** Linnaeus Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 7
Mt. Desert Biological Station, Mt. Desert I., Hancock Co., Me.
Recent

- 3536 *Mytilus euglyphus negritensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 21, pl. 4, fig. 4
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 4187 *Mytilus (Hormomya) hamatoides* Call Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 40,
pl. 10, fig. 7
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4188 *Mytilus (Hormomya) hamatoides* Call Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 40,
pl. 10, fig. 7a (lost prior to 1957)
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4189 *Mytilus (Hormomya) hamatoides* Call Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 40,
pl. 10, figs. 8, 8a
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4190 *Mytilus (Hormomya) hamatoides* Call Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 40,
pl. 10, fig. 9
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 3746 *Mytilus signatus* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 35, pl. 7, fig. 4 (missing
prior to 1937)
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 4872 *Mytilus signatus* Olsson Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 36
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 202 *Nassa alumensis* Olsson Holotype and unfigured paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 13, pl. 2, fig. 5
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
- 4056 *Nassa (Uzita) armuella* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 71, pl. 8, fig. 6
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene [specific name sp.
armulla in text *armuella* in exp. of pl., corrected to *armuella*
for Puerto Armuelles]
- 3453 *Nassa berthae* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 21, pl. 5, fig. 7
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3453a *Nassa berthae* Maury Paratype
Maury, B.A.P., v. 4, No. 21, 1910, p. 21

- Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3453b *Nassa berthae* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 21 (many specimens)
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., upper lower Miocene
- 207 *Nassa consensoides* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 13, pl. 2, fig. 10
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 459 *Nassa cornelliana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 7, pl. 4, fig. 11
Currie [within 10 mi., H. G. Richards, 1958], Pender Co., N. C.
Duplin fm.(?), upper Miocene
- 286 *Nassa exilis* (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 57, pl. 7, fig. 9; Harris, La.
Geol. Surv. Rpt., 1899, p. 307, pl. 55, fig. 1
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1358 *Nassa gastrophila* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 12, pl. 1, fig. 1
Chowcowinity, Beaufort Co., N. C. Yorktown fm., upper
Miocene
- 3454 *Nassa harrisi* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 22, pl. 5, fig. 9
Bailey's Ferry, Chipola R., Calhoun Co., or Oak Grove, Oka-
loosa Co., Fla. Alum Bluff gr., lower Miocene
Miocene
- 3454a *Nassa harrisi* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 22 (many specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 3454b *Nassa harrisi* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 22 (2 specimens)
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
Bluff gr., upper lower Miocene
- 201 *Nassa shacklefordensis* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 14, pl. 2, fig. 4
Shackleford, King and Queen Co., Va. St. Marys fm.,
middle Miocene
- 1359 *Nassa smithiana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 12, pl. 1, fig. 2
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 4054 *Nassa (Uzita) terryi* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 70, pl. 8, fig. 2
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene

- 4055 *Nassa (Uzita) terryi* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 70, pl. 8, fig. 7
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4055a *Nassa (Uzita) terryi* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 70, pl. 8, fig. 9
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 3455 *Nassa veatchi* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 22, pl. 5, fig. 10
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 24800 *Nassarius ambiguus antillarum* (d'Orbigny) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 148, pl. 32, fig. 229; Perry
and Schwengel, 1955, p. 161, pl. 32, fig. 229
Sanibel, Lee Co., Fla. Recent
- 24800a *Nassarius ambiguus antillarum* (d'Orbigny)
Representative specimens
Perry and Schwengel, 1955, p. 161, pl. 32, fig. 229
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24801 *Nassarius consensus* (Ravenel) Representative specimen
Perry and Schwengel, 1955, p. 161, pl. 32, fig. 230
Sanibel, Lee Co., Fla. Recent
- 25340 *Nassarius obsoletus* (Say) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 9
Beaufort, Carteret Co., N. C. Recent
- 25344 *Nassarius vibex* (Say) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 4, fig. 7
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 24802 *Nassarius vibex* (Say) Representative specimen
Perry and Schwengel, 1955, p. 162, pl. 32, fig. 231
Sanibel, Lee Co., Fla. Recent
- 335 *Natica (Lacunaria) alabamiensis* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 91 pl. 11, fig. 29; Harris,
La. Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 9
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- Natica (Girodes) alabamiensis* Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 117, pl. 12, fig. 14 (lost
prior to 1937)
Exact locality not designated Midway gr., Paleocene
- Natica aperta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 90, pl. 11, fig. 27; Harris,
La. Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 8 (lost prior
to 1937)

- Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1075 *Natica canrena* (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 238, pl. 40, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale
fm., upper Miocene
- 2778 *Natica* (*Naticarius*) *canrena* (Linnaeus) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 116, pl. 11, fig. 15
Florida Recent
- 21093 *Natica canrena* (Linnaeus) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 155, pl. 13, fig. 9
Gatun, C. Z. Gatun fm., middle Miocene
- 22988 *Natica canrena* (Linnaeus) Moersch Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 28, pl. 9, fig. 13
Between Sibarco and Piedras de Afilar or Morro Hermoso,
Dept. of Atlantico, Col. Miocene
- 24739 *Natica canrena* (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 123, pl. 24, figs. 165a, b
Bayside, Sanibel, Lee Co., Fla. Recent
- 20447 *Natica* (*Naticarius*) cf. *canrena antinacea* Cossmann Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 96, pl. 6, figs. 3, 4
Near Las Masas, NE. Progreso Basin, Guayas Prov., SW.
Ecuac. Subibaja fm., lower Miocene
- Natica* (*Sigaticus*) *clarkeana* (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 87, pl. 11, fig. 21 (lost
prior to 1937)
Hatcheitgbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 1076 *Natica cuspidata* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 239, pl. 40, fig. 9
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22989 *Natica cuspidata* Guppy Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 28, pl. 9, fig. 14
Near Usiicura, Dept. of Atlantico, Col. Miocene
- Natica eminula* Conrad Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 119, pl. 12, fig. 20 (lost
prior to 1937)
Exact locality not designated, Ala. Naheola fm., upper
Midway gr., Paleocene
- 194 *Natica eminula* Conrad "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 88, pl. 11, fig. 22; Harris.
La, Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 7

- Bells Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 242 *Natica eminula* Conrad "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 88
Exact locality not designated, Ala. Wilcox [Sabine] gr.,
lower Eocene
- Natica (Lacunaria) erecta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 91, pl. 11, fig. 28 (lost
prior to 1937)
Bells Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 2775 "*Natica*" *gilberti* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 119, pl. 11, fig. 14
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2776 "*Natica*" *gilberti* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 119, pl. 11, fig. 16
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2777 "*Natica*" *gilberti* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 119, pl. 11, fig. 17
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 21095 *Natica guppiana* Toulou Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 156, pl. 13, fig. 13 (spelled
guppyana)
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21096 *Natica guppiana* Toulou Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 156, pl. 13, fig. 14 (spelled
guppyana)
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21097 *Natica gupplana* Toulou Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 156, pl. 13, fig. 15 (spelled
guppyana)
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22852 *Natica guppiana* Toulou Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 67, pl. 36, figs. 1, 4
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
Natica janthinops see *Natica semilunata* 2774
- 333 *Natica magnoumbilicata*† Lea Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 89, pl. 11, fig. 23
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 2764 *Natica* (*Naticarius*) *magnoumbilicata*† Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 113, pl. 11, figs. 1, 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
Type species of *Natella* Palmer, 1937 = *Tella* Palmer, 1942, Jr.
Pal., v. 16, No. 5, p. 674
- 2765 *Natica* (*Naticarius*) *magnoumbilicata*† Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 113, pl. 11, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 118 *Natica mediavia* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 117, pl. 12, fig. 15
Ft. Gaines, Clay Co., Ga. Midway gr., Paleocene
- 334 *Natica* (*Neverita*) *onusta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 89, pl. 11, fig. 24
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wil-
cox [Sabine] gr., lower Eocene
- 334a *Natica* (*Neverita*) *onusta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 89
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wil-
cox [Sabine] gr., lower Eocene
- Natica* (*Neverita*) *onusta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 89, pl. 11, fig. 25 (lost
prior to 1937)
Greggs Ldg., Alabama R. Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- Natica* (*Neverita*) *onusta* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 89, pl. 11, fig. 26 (lost
prior to 1937)
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- Natica* (*Polinices*) *onusta* Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 118, pl. 12, fig. 17 (lost
prior to 1937)
Locality not designated Midway gr., Paleocene
- 24213 *Natica* (*Nerinata*) *paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24216 *Natica* (*Nerinata*) *paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24217 *Natica* (*Nerinata*) *paytensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 7
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene

- 24219 *Natica (Nerinitica) paytensis* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 9
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24220 *Natica (Nerinitica) paytensis* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 11
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24221 *Natica (Nerinitica) paytensis* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 68, pl. 5, fig. 12
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
 Type species of *Nerinitica* Olsson, 1930
- 4507 *Natica (Naticarius) permunda* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 246,
 pl. 29, figs. 1, 2 (operculum)
 Montgomery Ldg., Red R., Grant Par., La. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4508 *Natica (Naticarius) permunda* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 246,
 pl. 29, figs. 5, 6
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- Natica perspecta* Whitfield Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 119, pl. 12, fig. 21 (lost
 prior to 1937)
 Exact locality not designated, Ala. Midway gr., Paleo-
 cene
- 3622 *Natica peruviana* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 57, pl. 13, fig. 6 (missing
 in 1937)
 Negritos, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 3625 *Natica peruviana* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 57, pl. 13, fig. 9
 Negritos, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 3626 *Natica peruviana* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 57, pl. 13, fig. 10
 Negritos, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 20255 *Natica precanrena* F. Hodson Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
 Well Icotea No. 2, depth 2138-2158 ft., Bolivar Coastal Field,
 Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
 Miocene
- 22853 *Natica precanrena* F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 68, pl. 36, fig. 2

Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene

- 22856 *Natica precanrena* F. Hodson Paratype
Hodson, F., Hodson H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 68, pl. 36, fig. 6
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 22859 *Natica precanrena* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 68, pl. 36, fig. 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24740 *Natica pusilla* Say Representative specimen
Perry and Schwengel, 1955, p. 124, pl. 24, fig. 166
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 24888 *Natica pusilla* Say Hypotype
Perry and Schwengel, 1955, p. 124, pl. 46, fig. 323 (egg collar)
Sanibel, Lee Co., Fla. Recent
- 121 *Natica reversa* Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 119, pl. 12, fig. 19
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E., Alabama R., Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 4068 *Natica scethra burica* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 79, pl. 10, fig. 2
Charco Azul, 10 mi. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 6058a *Natica scethra burica* Olsson
Olsson, B.A.P., v. 27, No. 106, 1942, p. 79, pl. 10, fig. 7 (operculum)
Charco Azul, 10 mi. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 1415 *Natica semilunata* Lea Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 86, pl. 11, fig. 18
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2771 "*Natica (Naticarius)*" *semilunata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 114, pl. 11, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2772 "*Natica (Naticarius)*" *semilunata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 114, pl. 11, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2773 "*Natica (Naticarius)*" *semilunata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 114, pl. 11, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2774 **"Natica (Naticarius)" semilunata** Lea Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 117, 133, pl. 11, fig. 10
 ("janthinops") ("janthinops" is a *nomen nudum*)
 Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 332 **Natica semilunata** Lea "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 86, pl. 11, fig. 20
 Exact locality unknown, Ala. Wilcox [Sabine] gr., lower Eocene
- Natica semilunata** Lea "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 86, pl. 11, fig. 19 (lost prior to 1937)
 Locality not designated Wilcox [Sabine] gr., lower Eocene
- 2766 **"Natica" semilunata leana** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 118, pl. 11, fig. 4
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 2767 **"Natica" semilunata leana** Palmer Paratype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 118, pl. 11, fig. 6
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 2768 **"Natica" semilunata leana** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 118, pl. 11, figs. 5, 7
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 2769 **"Natica" semilunata sabina** Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 118, pl. 11, fig. 8
 Four mi. above Hamilton Bluff, Alabama R., Monroe Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 2770 **"Natica" semilunata sabina** Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 118, pl. 11, fig. 9
 Four mi. above Hamilton Bluff, Alabama R., Monroe Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
- 20445 **Natica** sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 95, pl. 6, figs. 8, 9
 Three km. N. 72° E. of Las Masas, Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 20446 **Natica** sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 95, pl. 6, fig. 7
 Near Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 1071 **Natica youngi** Maury Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 239, pl. 40, fig. 4
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forrest Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

- 21092 *Natica youngi coeleana* Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 155, pl. 13, fig. 8
 Cocles Creek, near Old Harbor, Limon Prov., C. R.
 Gatun fm., middle Miocene
- 1390 *Nautilus* sp. Figured specimen
 Harris, B.A.P., v. 3, No. 11, 1899, p. 103, pl. 12, fig. 26
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 20150 *Neithea aequicostata* d'Orbigny Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1648, pl. 4, figs. 3, 4
 S. bank Río Apón, 100 m. upstream from La Luna contact,
 Dist. of Perijá, St. of Zulía, Ven. Capacho fm., Middle
 Cretaceous
- 30 *Neithea quinquecostata?* (Sowerby) Hypotype
 Harris, La. Geol. Surv. Rpt., 1899, p. 294, pl. 49, fig. 6
 Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
 Bienville, Bienville Par., La. Upper Cretaceous
- 31 *Neithea quinquecostata?* (Sowerby) Hypotype
 Harris, La. Geol. Surv. Rpt., 1899, p. 294, pl. 49, fig. 7
 Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
 Bienville, Bienville Par., La. Upper Cretaceous
- 24545 *Nemocardium (Arctopratum) griffus* Keen Paratype
 Keen, B.A.P., v. 35, No. 153, 1954, p. 12
 Near Aberdeen, Grays Harbor Co., Wash. Astoria fm.,
 middle Miocene
- 25221 *Neobulimina canadensis* Cushman and Wickenden Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936 p. 31
 Crawford's Corner, about 5 mi. S. of Keyport, Ocean Co., N. J.
 Navesink fm., Upper Cretaceous
- 5030 *Neocycloceras harrisi* Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19, pl. 2, figs.
 4, 5
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5033 *Neocycloceras harrisi* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19, pl. 2, fig. 7
 (in text p. 20 paratypes add 5033, delete from p. 22)
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5034 *Neocycloceras harrisi* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5035 *Neocycloceras harrisi* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19 (in text p.
 20 paratypes add 5035, delete from p. 22)
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian

- 5036 **Neocycloceras harrisi** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19, pl. 2, fig. 9
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5037 **Neocycloceras harrisi** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 19, pl. 2, fig. 8
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5031 **Neocycloceras lilianae** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 21, pl. 2, figs.
 10, 11
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5032 **Neocycloceras lilianae** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 21, pl. 2, fig. 6
 E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
 cgl. (Salamanca), Conewango stage, Upper Devonian
- 5000 **Neocycloceras obliquum** Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, figs.
 1, 2
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5001 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 8
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5002 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 7
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5003 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 4
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5004 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, figs.
 5, 6
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5005 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 9
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5006 **Neocycloceras obliquum** Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 10
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian

- 5007 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 2, fig. 1
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5008 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16, pl. 1, fig. 3
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5009 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5010 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5011 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5012 *Neocycloceras obliquum* Flower and Caster Paratype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 16
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 5013 *Neocycloceras obliquum geronticum* Flower and Caster Holotype
 Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 18, pl. 2, fig. 2
 (not 5007 as in expl. of pl.)
 Lewis Run, McKean Co., Pa. Lewis Run ss., Conewango
 stage, Upper Devonian
- 24152 *Neomonopleura wiedenmayeri* F. Hodson and Harris Paratype
 Hodson, F., and Harris, B.A.P., v. 16, No. 61, 1931, p. 3, pl. 1,
 fig. 1
 Morne Diablo Quarry No. 1, 3½ mi. S. of Penal, Siparia Ward,
 E. St. Patrick Co., Trinidad, W. I. upper Oligocene
 See under 24153 *Neomonopleura wiedenmayeri* F. Hodson and
 Harris
- 24153 *Neomonopleura wiedenmayeri* F. Hodson and Harris Holotype
 Hodson, F. and Harris, B.A.P., v. 16, No. 61, 1931, p. 3, pl. 1,
 figs. 2, 3
 Morne Diablo Quarry No. 1, 3½ mi. S. of Penal, Siparia Ward,
 E. St. Patrick Co., Trinidad, W. I. upper Oligocene
 = *Hipponix* (*Rothpletzia*) *wiedenmayeri* (F. Hodson and
 Harris), Rutsch, Eclog. Geol. Helv., v. 27, No. 1, 1934, pp. 1-9,
 fig. 1 (Nat. Hist. Mus. Basel)
 Type species of *Neomonopleura* F. Hodson and Harris, 1931
- 24154 *Neomonopleura wiedenmayeri* F. Hodson and Harris Paratype
 Hodson, F., and Harris, B.A.P., v. 16, No. 61, 1931, p. 3, pl. 2,
 figs. 1, 2

Morne Diablo Quarry No. 1, 3½ mi. S. of Penal, Siparia Ward,
E. St. Patrick Co., Trinidad, W. I. upper Oligocene
See under 24153 *Neomonopleura wiedenmayeri* F. Hodson and
Harris

Nephriolepidina tournoueri Lemoine and R. Douvillé Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl. 19,
fig. 27 (lost prior to 1937)
Erin Point, S. Erin Ward, S. central St. Patrick Co., Trinidad,
W. I. Cipero fm., upper Oligocene

3758 **Nerinea (Ptygmatis) peruviana** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 65, pl. 10, fig. 1
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian

3760 **Nerinea (Ptygmatis) peruviana** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 65, pl. 10, fig. 3
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian

4875 **Nerita jayanea** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 67, pl. 9, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian

4876 **Nerita jayanea** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 67, pl. 9, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian

4009 **Neritina pacchiana** Palmer Holotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 40,
pl. 9, figs. 3, 4
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecua.
possible Miocene

3867 **Neritina stadnichenkiae** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 11, pl. 4, figs. 7, 8
Quebrada Salado, about 10 mi. NE. of Talara, Dept. of Piura,
Peru Restin fm., middle Eocene

21131 **Neritina viridemarais** Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 159, pl. 15, fig. 22
Middle Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

2798 **Neverita limula** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

2799 **Neverita limula** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

2800 **Neverita limula** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, figs. 19, 22

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2801 *Neverita limula* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2803 *Neverita limula* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2804 *Neverita limula* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 125, pl. 13, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Newsomites pertumidus* Morris and Hill Paratype
Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 15 (not deposited)
Newsom, Davidson Co., Tenn. Newsom sh., Middle
Silurian
- 24729 *Niso interrupta* (Sowerby) Representative Specimen
Perry and Schwengel, 1955, p. 117, pl. 23, fig. 153
Sanibel, Lee Co., Fla. Recent
- 1384 *Niso umbilicata* (Lea) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 97, pl. 12, fig. 13
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2697 *Niso umbilicata* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 66, pl. 6, figs. 22, 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2698 *Niso umbilicata* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 66, pl. 6, figs. 24, 25
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4486 *Niso umbilicata* (Lea) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 225,
pl. 26, fig. 17
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 24908 *Nitidella nitidula* (Sowerby) Hypotype
Perry and Schwengel, 1955, p. 160, pl. 51, fig. 346
Sanibel, Lee Co., Fla. Recent
- 4923 *Nodifaunus costatus* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 85, pl. 12, fig. 14
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian

- 4924 **Nodifaunus costatus** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 85, pl. 12, fig. 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 4920 **Nodifaunus nodosus** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 84, pl. 12, figs. 6, 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
Type species of *Nodifaunus* Olsson, 1944
- 4921 **Nodifaunus nodosus** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 84, pl. 12, fig. 10
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 4922 **Nodifaunus nodosus** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 84, pl. 12, fig. 12
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 25217 **Nodogenerina sagrinensis** (Bagg) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 29
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 21701 **Nodosarella salmoiraghi** Martinotti Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 13, pl. 1, fig. 6
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22151 **Nodosaria catesbyi** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 329, pl. 39, figs. 1-4
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22152 **Nodosaria catesbyi** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 329
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22153 **Nodosaria catesbyi** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 329
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 21647 **Nodosaria cocoaensis mexicana** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 15, pl. 3, fig. 9
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene
- 21648 **Nodosaria cocoaensis mexicana** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 15
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene

- 21694 **Nodosaria consobrina** (d'Obrigny) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 15. Not identified as specimen figured in pl. 3, fig. 5 (specimen of pl. 3, fig. 5 not found when cataloged in 1956)
Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 22652 **Nodosaria deliciae** Martin Homeotype*
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 13, not in Marks, Micropal., v. 6, No. 4, 1952
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., (I-S 7-47) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 25092 **Nodosaria erbessina** Schwager Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 12, pl. 1, fig. 12
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oliogocene
- 25197 **Nodosaria fissicostata** (Gümbel) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 19
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J. Hornerstown fm., Eocene
- 21653 **Nodosaria cf. granti** Plummer Hypotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 15, pl. 3, fig. 15
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene
- 25401 **Nodosaria hadleyi** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 280, pl. 52, fig. 2 [D.K.P. slide 191.9-18 (34)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21643 **Nodosaria harrisi** Cole Holotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 16, pl. 3, fig. 2
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene
- 21725 **Nodosaria jacksonensis** Cushman and Applin Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 8, pl. 3, fig. 12
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- 25402 **Nodosaria cf. japonica** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 281, pl. 52, fig. 7 [D.K.P. 191.9-18 (40)] not slide 18 (31) as on p. 281
NW. end of Yumurí Gorge, Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25402a **Nodosaria cf. japonica** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 281, pl. 52, fig. 8 [D.K.P. 191.9-18 (40)]

Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25199 *Nodosaria latejugata carolinensis* Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 19
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 21644 *Nodosaria mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 16, pl. 3, figs. 3, 4
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21695 *Nodosaria mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 16
Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25098 *Nodosaria mexicana* Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 12, pl. 1, fig. 18
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 25093 *Nodosaria obliquata* (Batsch) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 12, pl. 1, fig. 13
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oligocene
- 22680 *Nodosaria obscura* Reuss Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 156, pl. 11, fig. 3 (S-797); not in Marks, 1952
Rt. bank Shoal Cr., at W. end of 34th St. bridge, Austin, Travis Co., Tex. Del Rio fm., Washita gr., Albian, Cretaceous Cretaceous
- 21654 *Nodosaria oolinata* Cole Holotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 16, pl. 3, fig. 16
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 20707 *Nodosinella perelegans* Plummer Holotype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 14, pl. 1, fig. 5a; Marks, Micropal., v. 6, No. 4, 1952, p. 38
Shale slope, E. side of abandoned clay pit, Bridgeport Brick Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian
- 20708 *Nodosinella perelegans* Plummer Paratype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 14, pl. 1, fig. 5b; Marks, Micropal., v. 6, No. 4, 1952, p. 38
Shale slope, E. side of abandoned clay pit, Bridgeport Brick Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian

- 22670 **Nodosaria radicula** (Linnaeus) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 155, pl. 11, fig. 1
(S-796; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam
Co., Tex. Kemp cl., Navarro gr., Maestrichtian, Upper
Cretaceous
- 25198 **Nodosaria radicula** (Linnaeus) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 20
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 21347 **Nodosaria soluta** (Reuss) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 6, pl. 1, fig. 5
Nigua Cr., 5 mi. W. Almiranté*, lat 9° 20' N.; long 82° 27' W.,
Bocas del Toro Prov., Pan. Oligocene
- 21622 **Nodosaria** sp. Figured specimen
Cole, B.A.P., v. 14, No. 51, 1927, p. 17, pl. 1, fig. 21
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21655 **Nodosaria** sp. Figured specimen
Cole, B.A.P., v. 14, No. 51, 1927, p. 17, pl. 3, fig. 17
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm. middle
Eocene
- 21724 **Nodosaria** sp. Figured specimen
Cole, B.A.P., v. 14, No. 53, 1928, p. 8, pl. 3, fig. 11
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21344 **Nodosaria** sp. Figured specimen
Palmer, B.A.P., v. 10, No. 40, 1923, p. 5, pl. 1, fig. 1
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9°
45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh.,
lower Miocene
- 21693 **Nodosaria** sp. Unfigured specimen
Cole, B.A.P., v. 14, No. 51, 1927, p. 17
Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 22154 **Nodosaria** sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 329, pl. 38, fig. 12
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 25403 **Nodosaria** sp. C Palmer and Bermudez Figured specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 283, pl. 52, fig. 6 [D.K.P. slide 191.9-18 (37)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21646 **Nodosaria wegemanni** Cole Holotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 17, pl. 3, fig. 8

- Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene
- 25200 *Nodosaria zippei* Reuss Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 20
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 20399 *Noetia dauleana* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52, pl. 1, fig. 9
NW. of Guayaquil, 53.2 km. N. and 45.3 km. W., and 4.2 km. S. 81° W. of Jerusalém, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 20400 *Noetia dauleana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52, pl. 1, fig. 8
NW. of Guayaquil, 53.0 km. N., 45 km. W., and 3.9 km. S. 78° W. of Jerusalém, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 20401 *Noetia dauleana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52, pl. 1, fig. 7
NW. of Guayaquil, 53 km. N., 45 km. W., and 3.9 km. S. 78° W. of Jerusalém, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 20401a *Noetia dauleana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52
NW. of Guayaquil, 53 km. N., 45 km. W., and 3.9 km. S. 78° W. of Jerusalém, Daule Basin, Guayas Prov., W. Ecu.
Daule fm., middle Miocene
- 20402 *Noetia dauleana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52
Near Jerusalém, about 54 km. N. and 42 km. W. of Guayaquil, Daule Basin, Guayas Prov., W. Ecu. Daule fm., middle Miocene
- 20403 *Noetia dauleana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 52
NW. of Guayaquil, 41.5 km. N., 46.5 km. W., and 8.1 km. due W. of Pedro Carbo on Río Pedro Carbo, Daule Basin, Guayas Prov., W. Ecu. Daule fm., middle Miocene
- 14987 *Noetia (Eontia) incile* (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 21223 *Noetia macdonaldi alta* MacNeil Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 194, pl. 25, figs. 4, 5; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 36
Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20404 *Noetia macneili* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 53, pl. 1, figs. 12, 13

Zacachún corehole, depth 450-459 ft. Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm., lower Miocene

- 20405 *Noetia macneilli* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 53
 Zacachún corehole, depth 35-45 ft. Progreso Basin, Guayas Prov., SW. Ecu. lower Progreso fm., middle Miocene
- 790 *Noetia manzanillae* (Maury) Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 41, pl. 8, fig. 19; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 32
 N. of Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
 See *Arca (Noetia) manzanillae* Maury
- 827 *Noetia manzanillae* (Maury) Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 41, pl. 8, fig. 13; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 32, pl. 5, figs. 3, 4 [not holotype as designated]
 N. of Manzanilla Point, SE. Manzanilla Ward, central St. Andrew Co., Trinidad, W. I. Manzanilla fm., Miocene
 See *Arca (Noetia) manzanillae* Maury
- 791 *Noetia mayensis* (Maury) Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 40, pl. 5, fig. 2; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 34, pl. 5, figs. 16, 17
 Near junc. of Mayo and Couva main rd., W. central Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
 See *Arca (Noetia) mayensis* Maury
- 793 *Noetia mundonuevensis* (Maury) Lectotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 36, pl. 5, fig. 5; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 32, pl. 5, fig. 7
 Near junc. of Mayo and Couva main rd., W. central Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
 See *Arca (Noetia) mundonuevensis* Maury
- 795 *Noetia mundonuevensis* (Maury) Paratype
 Maury, B.A.P., 10, No. 42, 1925, p. 36, pl. 5, fig. 7; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 32
 Near junc. of Mayo and Couva main rd., W. central Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
 See *Arca (Noetia) mundonuevensis* Maury
- 24593 *Noetia ponderosa* (Say) Representative specimen
 Perry and Schwengel, 1955, p. 38, pl. 3, fig. 13
 Four fm. off Sanibel, Lee Co., Fla. Recent
- 25333 *Noetia ponderosa* (Say) Hypotype
 Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937, p. 25, pl. 3, fig. 6
 Sanibel I., Lee Co., Fla. Recent
- 20406 *Noetia* sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 55, pl. 2, figs. 5, 6

SW. edge of Las Masas on Río Bijagual, 6.7 km. N. 39.7 km. W. of Guayaquil, Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm., lower Miocene

- 2182 **Noetia stewarti** MacNeil Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 76, pl. 4, fig. 8; MacNeil, U. S. G. S., Prof. Paper 189-A, 1938, p. 31, pl. 5, figs. 1, 2
 Zapotal, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
 See *Arca (Noetia) rearactata* Hanna and Israelsky
- 21707a **Nonion chapapotensis** Cole Holotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 10, pl. 1, fig. 18
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21707b **Nonion chapapotensis** Cole Paratype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 10, pl. 1, fig. 19
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 21658 **Nonion florinensis** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 4, fig. 4
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm. middle Eocene
- 22241 **Nonion cf. grateloupi** (d'Orbigny) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 340, pl. 43, figs. 7a, b
 Moore House Beach, 4 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 22242 **Nonion mediocostatus** (Cushman) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 339, pl. 42, figs. 5a-c
 Crisfield Well, depth 287-300 ft., Somerset Co., Md.
 Yorktown fm., upper Miocene
- 22243 **Nonion mediocostatus** (Cushman) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 339, pl. 42, fig. 7
 Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene
- 21680 **Nonion micrus** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 22, pl. 5, fig. 12
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21747 **Nonion micrus** Cole Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 11
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 22244 **Nonion pizarrensis** (Berry) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 340, pl. 42, fig. 6
 Crisfield Well, depth 248-287 ft., Somerset Co., Md.
 Yorktown fm., upper Miocene

- 22245 *Nonion pizarrensis* (Berry) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22246 *Nonion pizarrensis* (Berry) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22247 *Nonion pizarrensis* (Berry) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22248 *Nonion pizarrensis* (Berry) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22249 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22250 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22251 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22252 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340, pl. 42, figs. 8a, b,
12
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22253 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22254 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22255 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22256 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340

- Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22257 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carter's Grove, 4 ft. up bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22258 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carter's Grove, 10 ft. up bank, midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22259 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22260 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Carters Grove's, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22261 *Nonion pizarrensis* (Berry) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 340, pl. 42, fig. 10
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22262 *Nonion pizarrensis* (Berry) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 340
Powells Lake Spillway, *Pedalion maxillata* bed (bottom bed), James City Co., Va. Yorktown fm., upper Miocene
- 25101 *Nonion pompilioides* (Fichtel and Moll) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 14, pl. 2, figs. 1, 2
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Piñar del Río Prov., Cuba Oligocene
- 22263 *Nonion* sp. A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 341, pl. 44, figs. 1a-c, 2
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22264 *Nonion* sp. B Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 341, pl. 43, figs. 6a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 21628 *Nonion turgidus mexicanus* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 23, pl. 2, fig. 11
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21674 *Nonion* cf. *umbilicatus* (Montagu) "var." Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 23, pl. 5, fig. 6
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 22265 *Nonionella auris* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 341
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22266 *Nonionella auris* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 341, pl. 43, figs. 4a, b
Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22267 *Nonionella auris* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 341
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22268 *Nonionella auris* (d'Orbigny) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 341, pl. 43, figs. 1a, b
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 25414 *Nonionella cf. crassipunctata* Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 289, pl. 51, figs. 3, 4 [D.K.P. slide 191.9-18 (58)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E.
of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]
- 25207 *Nonionella cretacea* Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 25
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt,
Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 20709 *Nonionella robusta* Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 175, pl. 14, fig. 12
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 2680 *Norrisia (Norrisella) nitens* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 41, pl. 5, fig. 32
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2681 *Norrisia (Norrisella) nitens* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 41, pl. 5, fig. 33
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2304 *Northia guttifera* (Grzybowski) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 170, pl. 20, fig. 3
Quebrada Blanca, NW. Peru Variegated beds, lower
Miocene
- 2309 *Northia guttifera* (Grzybowski) Hypotype
Olsson, B.A. P., v. 19, No. 68, 1932, p. 170, pl. 20, fig. 9
Quebrada Blanca, NW. Peru Variegated beds, lower
Miocene

- 21026 **Northia northiae miocenica** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 124, pl. 9, fig. 7
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21032 **Northia northiae miocenica** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 124, pl. 9, fig. 14
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 3373 **Nucleopsis subvaricatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 502, pl. 74, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3374 **Nucleopsis subvaricatus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 502, pl. 74, figs. 24, 26
(Missing prior to 1955)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 847 **Nucula baccata** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 20, pl. 12, fig. 5
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 21164 **Nucula cahuitensis** Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 171, pl. 18, figs. 21-24
Saury Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 24156 **Nucula catalina** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 18, pl. 1, fig. 2
Quebrada Barrancas, S. branch Mancora Quebrada, near
Catalinas, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 14937 **Nucula diaphana** H. C. Lea Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 14962 **Nucula diaphana** H. C. Lea Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, base of bank, York Co., Va. Yorktown fm., upper Miocene
- 5266 **Nucula cf. globularis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 74, pl. 40, fig. 4
In creek bed 1 mi. E. of Stoneham, Warren Co., Pa.
"A calcareous ss. above the 'Sub Olean' cgl., Lower Mississippian"
- 5270 **Nucula cf. globularis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 74, pl. 40, fig. 11
One mi. E. of Stoneham, Warren Co., Pa. Conewango stage, Upper Devonian

- 4074 *Nucula iphigenia azulensis* Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 24, pl. 4, fig. 5
 Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
 Pan. Charco Azul fm., Pliocene
- 4075 *Nucula iphigenia azulensis* Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 24, pl. 4, fig. 2
 Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
 Pan. Charco Azul fm., Pliocene
- 4075a *Nucula iphigenia azulensis* Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 24, pl. 4, fig. 7
 Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
 Pan. Charco Azul fm., Pliocene
- 617 *Nucula magnifica* Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 26, fig. 1
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 618 *Nucula magnifica* Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 26, fig. 2
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 619 *Nucula magnifica* Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 26, fig. 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 622 *Nucula magnifica* Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 26, fig. 8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 623 *Nucula magnifica* Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 26, fig. 7
 Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2 m.
 NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene
- 352 *Nucula magnifica mauricensis* Harris Hypotype
 Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 24, pl. 7, fig. 6
 Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle Eocene
- 353 *Nucula magnifica mauricensis* Harris Hypotype
 Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 24, pl. 7, fig. 8
 Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
 upper Queen City fm., lower Claiborne gr., middle Eocene
- 620 *Nucula magnifica mauricensis* Harris Paratype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 74, pl. 26, fig. 5 original
 syntype, lectotype fig. 4 designated by Gardner, 1945, G.S.A.,
 Mem. 11, p. 41; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1,
 1946, p. 63, pl. 14, fig. 21, as lectotype, not valid see previous
 designation by Gardner

Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene

- 621 *Nucula magnifica mauricensis* Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 74, pl. 26, fig. 6 original
syntype, lectotype fig. 4 designated by Gardner, 1945, G.S.A.,
Mem. 11, p. 41
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1944 *Nucula mancorensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 33, pl. 2, fig. 8
Boca de Quebrada Mancora, near boundary of Depts. Tumbes
and Piura, Peru Mancora fm., middle Oligocene
- 34 *Nucula mediavia* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 53, pl. 4, fig. 4
Midway, W. side of Alabama R., 5 mi. below Prairie Bluff,
Wilcox Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 20507 *Nucula (Ennucula) microsperma* Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 4 (2 specimens)
Near 2d and Pacific streets, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 21281 *Nucula orbicella* Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 171, pl. 28, figs. 19, 20
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 36 *Nucula ovula* Lea Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 54, pl. 4, fig. 5
Dale's Branch, Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Midway gr., Paleocene
- 148 *Nucula ovula* Lea Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 50, pl. 8, fig. 7
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 626 *Nucula ovula* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 75, pl. 26, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 627 *Nucula ovula* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 75, pl. 26, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 628 *Nucula ovula* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 75, pl. 26, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4248 *Nucula ovula* Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63,
pl. 14, fig. 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4249 *Nucula ovula* Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63, pl.
14, fig. 31
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1943 *Nucula paboensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 32, pl. 2, fig. 7
Pabo, about 5-6 mi. SE. Lagunitas*, Dept. of Piura, Peru
Heath fm., upper Oligocene
- 24124 ?*Nucula paraganana* F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 5,
pl. 1, fig. 1
Cantaure*, Cocodite* area, Paraganá Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 24127 ?*Nucula paraganana* F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 5,
pl. 1, figs. 4, 5
Cantaure*, Cocodite* area, Paraganá Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 14930 *Nucula proxima* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14931 *Nucula proxima* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 14943 *Nucula proxima* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, lower end of beach, base of bank, James City
Co., Va. Yorktown fm., upper Miocene
- 14959 *Nucula proxima* Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, base of bank, York Co., Va.
Yorktown fm., upper Miocene
- 24584 *Nucula proxima* Say Representative specimen
Perry and Schwengel, 1955, p. 32, pl. 1, figs. 4a, b
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 624 *Nucula ripae* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 74, pl. 26, fig. 9
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene

- 625 **Nucula ripae** Harris Synotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 74, pl. 26, fig. 10
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 629 **Nucula** sp. Figured specimen
 Harris, B.A.P., v. 6, No. 31, 1919, pl. 26, fig. 15
 Mississippi Claiborne gr., middle Eocene
- 6027 **Nucula** sp. Figured specimen
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 75, pl. 8, fig. 7
 Float in Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 4247 **Nucula** sp. Figured specimen
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63, pl. 14, fig. 22
 White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
 lower Jackson gr., upper Eocene
- 20213 **Nucula** sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Lagunillas No. 190, depth 3942-3960 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- Nucula** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, pl. 30a, fig. 11 (lost prior to 1937)
 Road cut at Flat Iron station, 1 mi. N. of Olean Rock City, Cattaraugus Co., N. Y. Oswayo fm., Conewango stage, Upper Devonian
- 5294 **Nucula?** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 74, pl. 41, fig. 6
 Glade, Warren Co., Pa. Salamanca fm., Conewango stage, Upper Devonian
- 4250 **Nucula spheniopsis** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63, pl. 14, fig. 24
 Garland Cr., Clarke Co., Miss. lower Jackson gr., upper Eocene
- 4251 **Nucula spheniopsis** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63, pl. 14, fig. 25
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4252 **Nucula spheniopsis** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63, pl. 14, fig. 26
 Garland Cr., Clarke Co., Miss. lower Jackson gr., upper Eocene

- 4253 *Nucula spheniopsis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63,
pl. 14, fig. 27
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4255 *Nucula spheniopsis?* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 63,
pl. 14, fig. 30
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 21165 *Nucula tenuisculpta* Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 172, pl. 18, fig. 25
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24585 *Nuculana acuta* (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 33, pl. 1, fig. 5
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 4227 *Nuculana albirupina* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 57,
pl. 13, figs. 15, 16
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4080 *Nuculana* (*Jupiteria*) *chiriquiana* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 27, pl. 1, fig. 7
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4081 *Nuculana* (*Jupiteria*) *davidana* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 28, pl. 1, fig. 3
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4238 *Nuculana ?linifera* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 60,
pl. 14, fig. 8
Garland Cr., above Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4243 *Nuculana magnifica* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 62,
pl. 14, fig. 17
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 4244 *Nuculana magnifica* Conrad "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 62,
pl. 14, fig. 18
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 4245 *Nuculana magnifica yazooensis* Harris Syntype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 62,
pl. 14, fig. 19
Sims Siding, 8 mi. N. of Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson fm., upper Eocene

- 4246 *Nuculana magnifica yazooensis* Harris Syntype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 62,
pl. 14, fig. 20
Sims Siding, 8 mi. N. of Yazoo City, Yazoo Co., Miss.
Yazoo cl., upper Jackson fm., upper Eocene
- 4224 *Nuculana mater* (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 56,
pl. 13, fig. 12
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4225 *Nuculana mater* (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 56,
pl. 13, fig. 13
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4226 *Nuculana mater* (Meyer) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 56,
pl. 13, fig. 14
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4232 *Nuculana (Hilgardia) multilineata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59,
pl. 14, fig. 2
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
Type species of *Hilgardia* Harris, 1946
- 4233 *Nuculana (Hilgardia) multilineata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59,
pl. 14, fig. 3
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4234 *Nuculana (Hilgardia) multilineata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59,
pl. 14, fig. 4
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4235 *Nuculana (Hilgardia) multilineata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59,
pl. 14, fig. 5
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4236 *Nuculana (Hilgardia) multilineata* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59,
pl. 14, fig. 6
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 580 *Nuculana (Hilgardia) multilineata coelatooides* (Harris) Holotype
(4237) Harris, B.A.P., v. 6, No. 31, 1919, p. 58, pl. 23, fig. 10; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 59, pl. 14,
fig. 7
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
See *Leda coelatooides* Harris

- 4221 *Nuculana opulenta* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 55,
pl. 13, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4222 *Nuculana opulenta* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 55,
pl. 13, fig. 9
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4219 *Nuculana reginajacksonensis*† (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 54,
pl. 13, figs. 5, 6
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4220 *Nuculana reginajacksonensis*† (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 54,
pl. 13, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4223 *Nuculana reginajacksonensis*† (Harris) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 56,
pl. 13, figs. 10, 11
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4242 *Nuculana robusta* (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 61,
pl. 14, figs. 15, 16
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] fm., lower Eocene
- 20393 *Nuculana (Saccella) saibana* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 48, pl. 1, fig. 4
Dos Bocas corehole No. 1, depth 860-870 ft., Zacachún sec., W.
Progreso Basin, Guayas Prov., SW. Ecua. Subibaja
fm., upper Oligocene or lower Miocene
- 20394 *Nuculana (Saccella) saibana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 48, pl. 1, fig. 5
Dos Bocas corehole No. 1, depth 860-870 ft., Zacachún sec., W.
Progreso Basin, Guayas Prov., SW. Ecua. Subibaja
fm., upper Oligocene or lower Miocene
- 20395 *Nuculana (Saccella) saibana* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 48
Dos Bocas corehole No. 1, depth 770-780 ft., Zacachún sec., W.
Progreso Basin, Guayas Prov., SW. Ecua. Subibaja
fm., upper Oligocene or lower Miocene
- 4239 *Nuculana* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 60,
pl. 14, fig. 9
From well, depth 1500 ft., Sour Lake, Hardin Co., Tex.
Horizon unknown

- 4240 *Nuculana* sp. Figured specimen
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 60,
 pl. 14, fig. 10
 From well, depth 1500 ft., Sour Lake, Hardin Co., Tex.
 Horizon unknown
- 4241 *Nuculana* sp. Figured specimen
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 61,
 pl. 14, figs. 12-14
 Locality and horizon unknown
- 20153 *Nuculana* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
 In gully on E. side of 1st quebrada W. of well Zabjurar—2,
 km. 24 structure, Dist. of Mara, St. of Zulia, Ven.
 Las Flores fm., upper Eocene
- 20214 *Nuculana* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Tía Juana No. 212, depth 3200-3210 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 20215 *Nuculana* (*Saccella*) sp. 1 Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Tía Juana No. 147, depth 3321-3331 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 20216 *Nuculana* (*Saccella*) sp. 2 Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Punta Benitez No. 145, depth 4595-4603 ft., Bolívar Coastal
 Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
 lower Miocene
- 20398 *Nuculana* (*Adrana*) sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 51, pl. 1, fig. 6
 Dos Bocas corehole No. 1, depth 70-80 ft. Zacachún sec., W.
 Progreso Basin, Guayas Prov., SW. Ecua. Subibaja
 fm., lower Miocene
- 24470 *Nuculana* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 15, pl. 7, fig. 2
 Georgia Lime Rock Quarry about 4 mi. from Perry, Houston
 Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24471 *Nuculana* sp. Figured specimen
 Harris, B.A.P., v. 33, No. 138, 1951, p. 15, pl. 7, fig. 3 (specimen
 on same matrix as fig. 8, pl. 7)
 Georgia Lime Rock Quarry about 4 mi. from Perry, Houston
 Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 20396 *Nuculana* (*Saccella*) *subibajana* Marks Holotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 49, pl. 1, figs. 1, 3
 Zacachún corehole, depth 150-160 ft., Progreso Basin, Guayas
 Prov., SW. Ecua. Subibaja fm., lower Miocene

- 20397 *Nuculana (Saccella) subibajana* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 49, pl. 1, fig. 2
 Zacachún corehole, depth 80-90 ft., Progreso Basin, Guayas
 Prov., SW. Ecua. Subibaja fm., lower Miocene
- 25315 *Nummuloculina heimi* Bonet emend. Conkin and Conkin Hypotype
 Conkin and Conkin, Micropaleontology, v. 4, No. 2, 1958, p. 152,
 text. fig. 3 on p. 155
 Road cut 3 mi. S. of Antiguo Morelos, St. of Tamaulipas, Mex.
 El Abra miliolid mem., El Abra fm., Albion-Cenonian
 Cretaceous
- 25316 *Nummuloculina heimi* Bonet emend. Conkin and Conkin Hypotype
 Conkin and Conkin, Micropaleontology, v. 4, No. 2, 1958, p. 152,
 text fig. 14 on p. 155
 Travis Drillers Inc.'s no. 1, L. R. Dillon Jr., depth 4628-4629 ft.,
 12 mi. NE. of Luling, Caldwell Co., Tex. Edwards ls.,
 Albian Cretaceous
- 21350 *Nummulites costericensis* Palmer Syntype
 Palmer, B.A.P., v. 10, No. 40, 1923, p. 9, pl. 1, fig. 9 (missing
 prior to 1955)
 MacDonald Cr., 7 mi. S. Guabito*, lat 9° 25' N.; long 82° 40'
 W., Bocas del Toro Prov., Pan. Oligocene
- 21352 *Nummulites costericensis* Palmer Syntype
 Palmer, B.A.P., v. 10, No. 40, 1923, p. 9, pl. 1, fig. 12 (missing
 prior to 1955)
 Nigua Cr., 5 mi. W. Almirante*, lat 9° 10' N.; long 82° 27' W.,
 Bocas del Toro Prov., Pan. Oligocene
- ?*Nummulites* aff. *panamensis* Cushman Hypotype
 Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl.
 19, fig. 26 (lost prior to 1937)
 Erin Point, S. Erin Ward, S. central St. Patrick Co., Trinidad,
 W. I. Cipero fm., upper Oligocene
- 24397 *Oculina olssoni* Wells Holotype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 12, pl. 2, figs. 1, 1a
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 24398 *Oculina olssoni* Wells Paratype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 12, pl. 2, fig. 1b
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 24399 *Oculina olssoni* Wells Paratype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 12, pl. 2, fig. 1c
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene
- 24419 *Oculina olssoni* Wells Paratypes
 Wells, B.A.P., v. 26, No. 98, 1941, p. 12
 One mi. N. of Negritos, Dept. of Piura, Peru basal
 Restin fm., middle Eocene

- 15000 ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (antler fragments)
Harbor Brook near Avery Ave. (city line on W.) Syracuse, Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 15000a ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (antler fragments)
Harbor Brook near Avery Ave. (city line on W.) Syracuse, Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 15001 ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (antler fragment)
Harbor Brook near Avery Ave. (city line on W.) Syracuse, Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 15002 ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (antler fragment)
Harbor Brook near Avery Ave. (city line on W.) Syracuse, Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 15003 ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (left metacarpus)
Harbor Brook near Avery Ave. (city line on W.), Syracuse Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 15004 ***Odocoileus americanus* (Erxleben)** Hypotype
Smith, B. in Hopkins, U. S. N. Y. Bull. 571 (N. Y. S. Mus. Bull. 171), 1914, p. 67 (right metacarpus)
Harbor Brook near Avery Ave. (city line on W.), Syracuse Onondaga Co., N. Y. Quaternary (Post-Glacial)
- 2997 ***Odontopolys compsorhytis* Gabb** Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 272, pl. 34, figs. 7, 9
Hammett's Branch, SW. $\frac{1}{4}$ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon, Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24886 ***Odostomia acutidens* Dall** Hypotype
Perry and Schwengel, 1955, p. 121, pl. 46, fig. 321
Sanibel, Lee Co., Fla. Recent
- 24735 ***Odostomia bisuturalis* Say** Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 113, pl. 23, fig. 161; Perry and Schwengel, 1955, p. 121, pl. 23, fig. 161
Sanibel, Lee Co., Fla. Recent
- 2710 ***Odostomia carolina* Palmer** Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 82, pl. 7, fig. 16
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene

- 24736 *Odostomia impressa* Say Representative specimen
Perry and Schwengel, 1955, p. 122, pl. 23, fig. 162
Sanibel, Lee Co., Fla. Recent
- 24889 *Odostomia impressa* Say Hypotype
Perry and Schwengel, 1955, p. 122, pl. 46, figs. 322a, b (egg collar)
Sanibel, Lee Co., Fla. Recent
- 2707 *Odostomia (Evalea) melanella* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 83, pl. 7, figs. 13, 23
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2708 *Odostomia (Evalea) melanella* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 83, pl. 7, figs. 15, 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2709 *Odostomia (Evalea) melanella* (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 83, pl. 7, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2705 *Odostomia (Evalea) melanella alveata* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 85, pl. 7, figs. 6, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2706 *Odostomia (Evalea) melanella alveata* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 85, pl. 7, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24738 *Odostomia seminuda* (C. B. Adams) Representative specimen
Perry and Schwengel, 1955, p. 122, pl. 23, fig. 164
Sanibel, Lee Co., Fla. Recent
- 20256 *Odostomia* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Tía Juana No. 2, depth 3360-3368 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 2719 *Odostomia trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 82, pl. 7, fig. 26
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 2720 *Odostomia trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 82, pl. 7, fig. 27
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)

- 24737 **Odostomia trifida** Totten Representative specimen
Perry and Schwengel, 1955, p. 122, pl. 23, fig. 163
Sanibel, Lee Co., Fla. Recent
- 5241 **Oleanella expansa** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 63, pl. 25, fig. 2
Flat Iron Station near Olean Rock City, Cattaraugus Co.,
N. Y. Oswayo fm., Conewango stage, Upper Devonian
Type species of *Oleanella* Caster, 1930
- Oleanella expansa** (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 63, pl. 30a, figs. 1-7
(lost prior to 1937)
Road cut at Flat Iron station, 1 mi. N. of Olean Rock City,
Cattaraugus Co., N. Y. Oswayo fm., Conewango stage,
Upper Devonian
- Oleanella expansa gamma** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 64, pl. 30a, fig. 8 (lost
prior to 1937)
Road cut at Flat Iron station, 1 mi. N. of Olean Rock City,
Cattaraugus Co., N. Y. Oswayo fm., Conewango stage,
Upper Devonian
- 3821 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, figs. 4-6
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey
Prov., Cuba upper Eocene
- 3822 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, figs. 7, 8
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on
rd. to Belen, Camagüey Prov., Cuba upper Eocene
- 3823 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, fig. 9
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey
Prov., Cuba upper Eocene
- 3824 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, figs. 10-12
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas rd.
to Belen, Camagüey Prov., Cuba upper Eocene
- 3825 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, fig. 13
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on
rd., to Belen, Camagüey Prov., Cuba upper Eocene
- 3826 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, fig. 14
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey
Prov., Cuba upper Eocene
- 3827 **Oligopygus sanchezi** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 60, pl. 6, fig. 15
In R.R. cut about 2 km. SE. of Nuevitas R.R. station Camagüey
Prov., Cuba upper Eocene

- 20984 ***Oliva brevispira*** Gabb Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 88, pl. 7, fig. 2
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 20985 ***Oliva brevispira*** Gabb Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 88, pl. 7, fig. 3
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 20986 ***Oliva brevispira giraudi*** Cossmann Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 88, pl. 7, fig. 4
 Middle Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 1021 ***Oliva couvana*** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 195, pl. 33, fig. 6
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 1018 ***Oliva cylindrica*** Sowerby Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 195, pl. 33, fig. 3
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 1020 ***Oliva cylindrica*** Sowerby Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 195, pl. 33, fig. 5
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 20983 ***Oliva cylindrica*** Sowerby Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 88, pl. 7, fig. 1
 Old Man Sam Creek, Limon Prov., C. R. Gatun fm.,
 middle Miocene
- 22955 ***Oliva cf. cylindrica*** Sowerby Hypotype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 49, pl. 6, fig. 18
 Between Las Perdices and Pto. Colombia; near Piedras de
 Afilar; or near Usiacuri, Dept. of Atlantico, Col.
 Miocene
- 20987 ***Oliva gatunensis*** Toulia Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 89, pl. 7, fig. 5
 Gatun, C. Z. Gatun fm., middle Miocene
- 20990 ***Oliva mancinella*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 91, pl. 7, fig. 8
 E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
 middle Miocene
- 20991 ***Oliva mancinella*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 91, pl. 7, fig. 9

- E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 24228 **Oliva misti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 6, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24231 **Oliva misti** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 6, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24232 **Oliva misti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 6, fig. 8
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24234 **Oliva misti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 6, fig. 11
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24235 **Oliva misti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 40, pl. 6, fig. 12
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 2130 **Oliva pichincha** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 115, pl. 20, fig. 9
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper
middle Oligocene
- 2138 **Oliva pichincha** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 115, pl. 20, fig. 17
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper
middle Oligocene
- 24924 **Oliva sayana** Ravenel Representative specimen
Perry and Schwengel, 1955, p. 175, pl. 36, fig. 247
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 24819 **Oliva sayana citrina** Johnson Representative specimen
Perry and Schwengel, 1955, p. 175
Sanibel, Lee Co., Fla. Recent
- 20988 **Oliva sayana immortua** Pilsbry and Brown Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 89, pl. 7, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20989 **Oliva sayana immortua** Pilsbry and Brown Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 89, pl. 7, fig. 7
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 20994 **Oliva testacea costaricensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 90, pl. 7, fig. 12

- Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20995 ***Oliva testacea costaricensis*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 90, pl. 7, fig. 13
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 2124 ***Olivancillaria aequatorialis*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 116, pl. 20, fig. 3
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 2126 ***Olivancillaria aequatorialis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 116, pl. 20, fig. 5
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 2129 ***Olivancillaria aequatorialis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 116, pl. 20, fig. 8
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 2132 ***Olivancillaria aequatorialis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 116, pl. 20, fig. 11
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 2134 ***Olivancillaria (Agaronia) antisana*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 116, pl. 20, fig. 13
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 2135 ***Olivancillaria (Agaronia) cotapaxi*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 117, pl. 20, fig. 14
Posorja, S. tip Pen. Santa Elena, SW. Ecua. upper middle Oligocene
- 24230 ***Olivancillaria (Agaronia) inca*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 43, pl. 6, fig. 5
Near Negritos, Dept. of Piura, Peru Lomitos congl., Talara fm., lower upper Eocene
- 3669 ***Olivancillaria (Agaronia) saxosa*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 94, pl. 18, fig. 8
Near Lagunitos*, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 3670 ***Olivancillaria (Agaronia) saxosa*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 94, pl. 18, fig. 9
Near Lagunitos*, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24822 ***Olivella blanesi*** Ford Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 159, pl. 36, fig. 250; Perry and Schwengel, 1955, p. 176, pl. 36, fig. 250
Sandflats, Sanibel, Lee Co., Fla. Recent

- 20997 **Olivella boussaci** Cossmann "var." Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 93, pl. 7, fig. 15
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
 See *Olivella (Dactylidella) paraisa* Olsson
- 20997a **Olivella boussaci** Cossmann "var." Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 93, pl. 7, fig. 16
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 24821 **Olivella floralia** Duclos Representative specimen
 Perry and Schwengel, 1955, p. 176, pl. 36, fig. 249
 Redfish Pass, Captiva, Lee Co., Fla. Recent
- 21001 **Olivella goliath** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, fig. 22; Olsson,
 Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 199, pl. 13, fig. 2a in
 subgenus *Toroliva*
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21002 **Olivella goliath** Olsson Paratype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, fig. 23; Olsson,
 Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 199, pl. 13, fig. 2 in
 subgenus *Toroliva*
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 2133 **Olivella (Lamprodoma) illesca** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 117, pl. 20, fig. 12
 Quebrada Charanal W. branch 5 mi. N. of Amotape, Chira
 Valley, Dept. of Piura, Peru Mancora fm., middle
 Oligocene
- 2136 **Olivella (Lamprodoma) illesca** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 117, pl. 20, fig. 15
 Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
 Valley, Dept. of Piura, Peru Mancora fm., middle
 Oligocene
- 2137 **Olivella (Lamprodoma) illesca** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 117, pl. 20, fig. 16
 Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
 Valley, Dept. of Piura, Peru Mancora fm., middle
 Oligocene
- 20999 **Olivella limonensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 93, pl. 7, fig. 20; Olsson,
 Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 208 in subgenus
Macgintiella, designated as holotype
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 20999a **Olivella limonensis** Olsson Paratype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 93, pl. 7, fig. 19;
 Olsson, Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 208, pl. 13,
 figs. 8, 8a in subgenus *Macgintiella*

- Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21003 ***Olivella limonensis bocasensis*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 94, pl. 7, figs. 24, 25
(lost prior to 1955)
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- Olivella mediavia*** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 80, pl. 7, fig. 19 (lost
prior to 1937)
One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Midway gr., Paleocene
- Olivella mediavia*** Harris Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 29, pl. 3, fig. 12 (lost prior
to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1017 ***Olivella mutica*** (Say) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 197, pl. 33, fig. 2
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 20993 ***Olivella muticoides*** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, fig. 11
E. Grape Pt. Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 20996 ***Olivella muticoides*** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, fig. 14
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
See *Olivella (Nitidioliva) terryi* Olsson
- 20998 ***Olivella muticoides*** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, figs. 17, 18
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
See *Olivella (Nitidioliva) terryi* Olsson
- 20997 ***Olivella (Dactylidella) paraisa*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 93, pl. 7, fig. 15; Olsson,
Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 188, pl. 13, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
See *Olivella boussaci* Cossmann "var."
- 24820 ***Olivella pusilla*** Marrat Representative specimen
Perry and Schwengel, 1955, p. 176, pl. 36, fig. 248
Sanibel, Lee Co., Fla. Recent

- 24921 **Olivella pusilla** Marrat Hypotype
Perry and Schwengel, 1955, p. 176, pl. 54, figs. 362 a-c (egg capsules)
Sanibel, Lee Co., Fla. Recent
- 2283 **Olivella (Callianax) tapira** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 164, pl. 16, fig. 11
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2284 **Olivella (Callianax) tapira** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 164, pl. 16, fig. 12
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 20996 **Olivella (Nitidioliva) terryi** Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, fig. 14; Olsson, Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 193, pl. 13, fig. 4a
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle Miocene
See *Olivella muticoides* Gabb
- 20998 **Olivella (Nitidioliva) terryi** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 92, pl. 7, figs. 17, 18; Olsson, Acad. Nat. Sci. Phila., Proc. 108, 1956, p. 193, pl. 13, fig. 4
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle Miocene
See *Olivella muticoides* Gabb
- 3672 **Olivella vicana** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 93, pl. 18, fig. 11
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 3673 **Olivella vicana** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 93, pl. 18, fig. 12
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru Restin fm., middle Eocene
- 25173 **Omphalocyclus macropora** (Lamarck) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 4, No. 121, 1954, p. 182, pl. 33, fig. 1
Near Coliseo, Matanzas Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25174 **Omphalocyclus schlumbergeri** (Silvestri) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 4, No. 121, 1954, p. 182, pl. 33, fig. 2
Near Coliseo, Matanzas Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 21635 **Operculina bartschi plana** Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 23, pl. 2, fig. 20
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 25005 **Operculina benevidea** Daci Paratypes
Daci in Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 15
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24972 **Operculina benevidea** forma A Daci Holotype of forma A
Daci in Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 15, pl. 1, fig. 1
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24973 **Operculina benevidea** forma B Daci Syntypes of forma B
Daci in Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 15, pl. 1, figs. 2, 3, text fig. 2
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 21630 **Operculina cushmani** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 23, pl. 2, fig. 13
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25102 **Operculina ocalana** Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 14, pl. 2, fig. 3
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba upper Eocene
- 25094 **Operculina** sp. Figured specimen
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 15, pl. 1, fig. 14
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba upper Eocene
- 25486 **Operculinella inhambanensis** H. K. Hodson Holotype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 2, pl. 1, fig. 1
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa (Mozambique)
Aquitanian or Burdigalian Miocene
- 25488 **Operculinella inhambanensis** H. K. Hodson Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 2, pl. 1, fig. 3
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa (Mozambique)
Aquitanian or Burdigalian Miocene
- 25489 **Operculinella inhambanensis** H. K. Hodson Paratype
Hodson, H. K., Jour. Pal., v. 2, No. 1, 1928, p. 2, pl. 1, fig. 4
Catholic Mission, opp. Morrumbene, Circumscription of Inhambane, Dist. of Inhambane, Port. E. Africa (Mozambique)
Aquitanian or Burdigalian Miocene
- 20191 **Operculinoides** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1686

Well La Rosa No. 73, depth 2841-2849 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. Mene Grande fm., upper Eocene

- 5378 **Ophileta discus** Cleland Holotype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 12, pl. 15, figs. 5, 6
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5379 **Ophileta discus** Cleland Paratypes
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 12 (13 specimens)
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 20360 **Opisthosiphon (Bermudezsiphona) caguanense** Torre and Bartsch
"Paratype" [Topotype]
 Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
 p. 185 (2 specimens)
 Cayo Caguanes, Yaguajay, Santa Clara Prov., Cuba
 Coll. P. J. Bermudez Recent
- 20365 **Opisthosiphon (Bermudezsiphona) cucullatum** Torre and Bartsch
"Paratype" [Topotype]
 Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
 p. 169 (2 specimens)
 El Yigre, Yaguajay, Santa Clara Prov., Cuba Coll. P. J. Bermudez
Recent
- 20370 **Opisthosiphon (Bermudezsiphona) insulanum** Torre and Bartsch
"Paratype" [Topotype]
 Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
 p. 181 (2 specimens)
 Cayo de la Aguada, E. of Caribarién, Santa Clara Prov., Cuba
 Coll. P. J. Bermudez Recent
- 20366 **Opisthosiphon (Bermudezsiphona) insulanum scopulorum**
Torre and Bartsch "Paratype" [Topotype]
 Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
 p. 181 (6 specimens)
 Cayo Lucas, N. de Santa Clara Prov., Cuba Coll. P. J. Bermudez
Recent
- 20369 **Opisthosiphon obiectum tenuicostum** Torre and Henderson
"Paratype" [Topotype]
 Torre and Henderson, U. S. Nat. Mus., Proc., v. 59, No. 2369,
 1921, p. 263 (4 specimens)
 Cerro de Guajabana, Remedios, Santa Clara Prov., Cuba Coll.
 P. J. Bermudez Recent
- 20362 **Opisthosiphon (Bermudezsiphona) palmeri** Torre and Bartsch
"Paratype" [Topotype]
 Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
 p. 170 (4 specimens)
 Guainabo, Yaguajay, Santa Clara Prov., Cuba Coll. P. J. Bermudez
Recent

- 20372 **Opisthosiphon (Cubitasiphona) paredonense escalerense**
Torre and Bartsch "Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 214 (2 specimens)
Paso de la Escalera, Cubitas Mts., Camagüey Prov., Cuba
Coll. P. J. Bermudez Recent
- 20361 **Opisthosiphon (Bermudezsiphona) prominulum**
Torre and Bartsch "Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 174 (2 specimens)
Las 2 Sierras, Buenavista, Remedios, Santa Clara Prov., Cuba
Coll. P. J. Bermudez Recent
- 20368 **Opisthosiphon (Bermudezsiphona) seibaboensis**
Torre and Bartsch "Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 178 (2 specimens)
Vereda de Herrera, Seibabo, Yaguajay, Santa Clara Prov.,
Cuba Coll. P. J. Bermudez Recent
- 20373 **Opisthosiphon (Bermudezsiphona) subobturatum tinajaense**
Torre and Bartsch "Paratype" [Topotype]
Torre and Bartsch, U. S. Nat. Mus., Proc., v. 89, No. 3096, 1941,
p. 184 (4 specimens)
Paso de la Tinaja, Cubitas Mts., Camagüey Prov., Cuba Coll.
P. J. Bermudez Recent
- 5158 **Orbiculoidea** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 10, fig. 1 (mold)
Three mi. SE. of Warren, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5159 **Orbiculoidea** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 10, fig. 2
Three mi. SE. of Warren, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5160 **Orbiculoidea** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 10, fig. 3
Two mi. W. of Smethport, McKean Co., Pa. Oswayo
fm., Conewango stage, Upper Devonian
- 5161 **Orbiculoidea** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 10, fig. 4
Glade, Warren Co., Pa. Corry ss. ("Venango First Oil
sd."), Lower Mississippian
- 3749 **Orbignya pacifica** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 48, pl. 8, figs. 1, 2 (2
valves)
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 25160 **Orbitoides apiculata apiculata** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, pl.
12, fig. 7

One km. S. Central San Antonio, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Cretaceous

- 25161 **Orbitoides apiculata apiculata** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, pl. 12, fig. 8, text fig. 2/2
One km. S. Central San Antonio, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25162 **Orbitoides apiculata apiculata** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, text fig. 2/1
One mi. S. of Central San Antonio, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25163 **Orbitoides apiculata apiculata** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, text fig. 2/3
SW. of Cantera "El Silencio", (4 km. E. of Esperanza), Santa Clara Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25158 **Orbitoides apiculata browni** (Ellis) Hypotype
Kupper Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, pl. 12, fig. 5
Madruga, Habana Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25159 **Orbitoides apiculata browni** (Ellis) Hypotype
Kupper Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, pl. 12, fig. 6, text fig. 2/6
Madruga, Habana Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25164 **Orbitoides apiculata browni** (Ellis) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, text fig. 2/4
Madruga, Habana Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25165 **Orbitoides apiculata browni** (Ellis) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, text fig. 2/5
Madruga, Habana Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25166 **Orbitoides apiculata browni** (Ellis) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, text fig. 2/7
Madruga, Habana Prov., Cuba Habana fm., Campanian-Maestrichtian, Upper Cretaceous
- 25156 **Orbitoides media media** (Archiac) Hypotype
Kupper Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66, pl. 12, fig. 3
Lawson, Gilchrist Co., Fla. Lawson ls., Navarro, Upper Cretaceous

- 25157 ***Orbitoides media media*** (Archiac) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66,
pl. 12, fig. 4, text fig. 2/8
Lawson, Gilchrist Co., Fla. Lawson ls., Navarro,
Upper Cretaceous
- 25167 ***Orbitoides media media*** (Archiac) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66,
text fig. 2/9
Lawson, Gilchrist Co., Fla. Lawson ls., Navarro,
Upper Cretaceous
- 25168 ***Orbitoides media media*** (Archiac) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66,
text fig. 2/10
Lawson, Gilchrist Co., Fla. Lawson ls., Navarro,
Upper Cretaceous
- 25169 ***Orbitoides media media*** (Archiac) Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 66,
text fig. 2/11
Lawson, Gilchrist Co., Fla. Lawson ls., Navarro,
Upper Cretaceous
- 25154 ***Orbitoides tissoti tissoti*** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 65,
pl. 12, fig. 1
Well depth 950 ft., NW. Campo Florido, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Creta-
ceous
- 25155 ***Orbitoides tissoti tissoti*** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 65,
pl. 12, fig. 2
Well depth 950 ft., NW. Campo Florido, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Creta-
ceous
- 25170 ***Orbitoides tissoti tissoti*** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5 pt. 2, No. 104, 1954, p. 65,
text fig. 2/13
Well depth 950 ft., NW. Campo Florido, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Creta-
ceous
Topotype of *Orbitoides palmeri* Gravell
- 25171 ***Orbitoides tissoti tissoti*** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 65,
text fig. 2/14
Well depth 950 ft., NW. Campo Florido, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Creta-
ceous
Topotype of *Orbitoides palmeri* Gravell
- 25172 ***Orbitoides tissoti tissoti*** Schlumberger Hypotype
Kupper, Cont. Cushman Fd., v. 5, pt. 2, No. 104, 1954, p. 65,
text fig. 2/15

Well depth 950 ft., NW. Campo Florido, Habana Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Cretaceous

- 20154 ***Orbitolina concava texana*** (Roemer) Hypotype
Sutton, A.A.P. G., v. 30, No. 10, 1946, p. 1643
Quarry of Caribbean Petroleum Co., W. end of Toas I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia, Ven.
Apón fm., Middle Cretaceous
- 21793 ***Orbitolina texana*** (Roemer) Hypotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 4, pl. 1, figs. 2, 4
In Río Asagua, just N. of Camino Real, N. of Maturín, Dist. of Piar, St. of Monagas, Ven. Cretaceous (Aptian)
- 21795 ***Orbitolina texana asaguana*** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 5, pl. 1, figs. 6, 8
In Río Asagua, just N. of Camino Real, N. of Maturín, Dist. of Piar, St. of Monagas, Ven. Cretaceous (Aptian)
- 21796 ***Orbitolina texana monagasana*** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 5, pl. 1, figs. 7, 9
In Río Asagua, just N. of Camino Real, N. of Maturín, Dist. of Piar, St. of Monagas, Ven. Cretaceous (Aptian)
- 21792 ***Orbitolina thompsoni*** H. K. Hodson Holotype
Hodson, H. K., B.A.P., v. 12, No. 47, 1926, p. 5, pl. 1, figs. 1, 5
In Río Asagua, just N. of Camino Real, N. of Maturín, Dist. of Piar, St. of Monagas, Ven. Cretaceous (Aptian)
- 21363 ***Orbitolites oregonensis*** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 13, pl. 2, fig. 10
Four Mile Cr., Coos Co., Ore. Domengine, middle Eocene
= *Pseudophragmina (Proporocyclina) clarki* (Cushman), 1920
(fide K. Palmer pers. com., 1958)
- 21364 ***Orbitolites oregonensis*** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 13, pl. 2, figs. 11, 14
Four Mile Cr., Coos Co., Ore. Domengine, middle Eocene
= *Pseudophragmina (Proporocyclina) clarki* (Cushman), 1920
(fide K. Palmer pers. com., 1958)
- 21365 ***Orbitolites oregonensis*** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 13, pl. 2, fig. 12
Four Mile Cr., Coos Co., Ore. Domengine, middle Eocene
= *Pseudophragmina (Proporocyclina) clarki* (Cushman), 1920
(fide K. Palmer pers. com., 1958)
- 21366 ***Orbitolites oregonensis*** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 13, pl. 2, fig. 13 (lost prior to 1955)
Four Mile Cr., Coos Co., Ore. Domengine, middle Eocene
= *Pseudophragmina (Proporocyclina) clarki* (Cushman), 1920
(fide K. Palmer pers. com., 1958)
- 25459 ***Orbulina bilobata*** (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941, p. 286, pl. 28, fig. 3 [D.K.P. slide 191.9-18 (94)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E.

of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]

- 22411 **Orbulina cornwallisi** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 365, pl. 53, figs. 3a, b
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 22412 **Orbulina cornwallisi** McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 365
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 25151 **Orbulina universa** d'Orbigny Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 25
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 22590 **Orionina vauhani** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 88, pl. 11, figs. 6a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22591 **Orionina vauhani** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 88
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22592 **Orionina vauhani** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 88
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22593 **Orionina vauhani** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 88
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22594 **Orionina vauhani** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 88
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22595 **Orionina vauhani** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 88
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 25015 **Ormoceras centrale** Flower Holotype
Flower, Jour. Pal., v. 14, No. 5, 1940, p. 444, pl. 61, figs. 7, 8
Schoharie, Schoharie Co., N. Y. New Scotland ls.,
Helderberg fm., Lower Devonian
Not 5870 as published.
- 25068 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 60, figs. 9, 10

W. of Canyon City, from a locality $\frac{1}{4}$ mi. farther N. from
Harding Quarry, Fremont Co., Colo. Harding ss.,
Champlainian, Middle Ordovician

- 25069 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 60, fig. 11
W. of Canyon City, from a locality $\frac{1}{4}$ mi. farther N. from
Harding Quarry, Fremont Co., Colo. Harding ss.,
Champlainian, Middle Ordovician
- 25070 **Ormoceras pollacki** Flower Holotype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 60, figs. 12, 13
One-quarter mi. N. of Harding ss. quarry, Canyon City, Fremont Co., Colo. shaly zone, Harding ss., Champlainian, Middle Ordovician
- 25071 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 60, fig. 14
Harding ss. quarry near Canyon City, Fremont Co., Colo.
Harding ss., Champlainian, Middle Ordovician
- 25075 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 61, fig. 7
One-quarter mi. N. of Harding ss. quarry, N. of Canyon City, Fremont Co., Colo. Harding ss., Champlainian, Middle Ordovician
- 25076 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 61, fig. 8
Twin Mountains, N. of Canyon City, Fremont Co., Colo.
Harding ss., Champlainian, Middle Ordovician
- 25077 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 61, fig. 9
One-quarter mi. N. of Harding ss. quarry, N. of Canyon City, Fremont Co., Colo. Harding ss., Champlainian, Middle Ordovician
- 25078 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 61, fig. 10
Near Canyon City, Fremont Co., Colo. Harding ss., Champlainian, Middle Ordovician
- 25080 **Ormoceras pollacki** Flower Paratype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510
Near Canyon City, Fremont Co., Colo. Harding ss., Champlainian, Middle Ordovician
- 25014 **Ormoceras schohariae** Flower Paratype
Flower, Jour. Pal., v. 14, No. 5, 1940, p. 443, pl. 61, figs. 5, 6
Wolf Hill, Albany Co., N. Y. Schoharie grit, Middle Devonian. Not 5869 as published.
- 5224 **Orthis** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, pl. 18, fig. 21
Panama Rocks, near the Checkerboard School House, Panama, Chautauqua Co., N. Y. Panama cgl., Conewango stage, Upper Devonian

- 5326 **Orthoceras leander** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 93, pl. 49, fig. 8
One mi. E. of Stoneham, Warren Co., Pa., Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 4869 **Orthoceras primigenium** Vanuxem Unfigured specimen
Cleland, B.A.P., v. 3, No. 13, 1900, p. 20
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown fm., Canadian (Lower) Ordo-
vician [cf. *Clarkeoceras clelandi* Ulrich, Foerste and Miller, G.
S. A., Special Paper No. 49, pt. 2, 1943, p. 85]
- 5053 **Orthoceras** sp.? Figured specimen
Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 55, pl. 6, fig. 9
E. of Tidioute bridge, Warren Co., Pa. Pope Hollow
cgl. (Salamanca), Conewango stage, Upper Devonian
- 5325 **Orthoceras** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 93, pl. 49, fig. 1
Top of Robbins Hill, on the Onoville Road, 1 mi. E. of Chautau-
qua-Cattaraugus Co. line, N. Y. "Venango stage"
(Caster, 1937), Conewango stage, Upper Devonian
- 2518 **Orthosurecula longiforma** (Aldrich) Hypotype
Harris, P. A. v. 2, No. 7, 1937, p. 48, pl. 9, fig. 25
Red Bluff [Hiwanee Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 92 **Orthosurecula longipera** (Harris) Hypotype
(2517) Harris, B.A.P., v. 1, No. 4, 1896, p. 78, pl. 7, fig. 15; Harris,
P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 24
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
See *Surcula longipera* Harris
- 5163 **Orthothetes crenistria** (Phillips?) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 7, pl. 10, fig. 7
Cobham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5207 **Orthothetes** sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 7, pl. 15, fig. 11
In creek bed 1 mi. E. of Stoneham, Warren Co., Pa.
Corry ss. ("Venango First Oil sd."), Lower Mississippian
- 20710 **Orthovertella sellardsi** Plummer Holotype
Plummer, Univ. Tex. Bull. 3019, 1930, p. 21, pl. 1, fig. 3; Marks,
Micropal. v. 6, No. 4, 1952, p. 38
Shale slope, E. side of abandoned clay pit, Bridgeport Brick
Co., 0.3 mi. N. of Hanson Hotel, Bridgeport, Wise Co., Tex.
Brownwood shale, Upper Pennsylvanian
- 20082 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 1
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene

- 20083 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 2
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20084 **Ostomya mencheri** Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 3
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20085 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 4
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20086 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 5
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20087 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 6
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 20088 **Ostomya mencheri** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 21, pl. 2, fig. 7
E. bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 24133 **Ostrea aguacalarensis paraguensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 5,
pl. 4, fig. 2; pl. 5, fig. 2
Three km. from La Candelaria on rd. to Cocodite*, Dist. of
Falcón, St. of Falcón, Ven. middle Oligocene
- 217 **Ostrea alabamiensis** Lea Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 41, pl. 6, fig. 7
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 361 **Ostrea alabamiensis** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 8, pl. 1, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 362 **Ostrea alabamiensis** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 8, pl. 2, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 363 **Ostrea alabamiensis** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 8, pl. 2, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 364 **Ostrea alabamiensis** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 8, pl. 2, fig. 3

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 367 ***Ostrea alabamiensis*** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 8, pl. 6, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4148 ***Ostrea alabamiensis*** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, pl. 5, fig. 4
Crow Creek, St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 365 ***Ostrea alabamiensis contracta*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 9, pl. 3, fig. 1
Shell Bluff, Savannah R., Burke Co., Ga. Jackson gr.,
upper Eocene
- 366 ***Ostrea alabamiensis georgiana*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 9, pl. 5, fig. 2
Shell Bluff, Savannah R., Burke Co., Ga. Jackson gr.,
upper Eocene
- 24987 ***Ostrea (Pycnodonta) cochlear*** (Poli) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 58, pl. 3, fig. 3
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- Ostrea compressirostra*** Say Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 37, pl. 6, fig. 1 (lost prior
to 1937)
Locality not designated Wilcox [Sabine] gr., lower
Eocene
- 21177 ***Ostrea costaricensis*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 196, pl. 21, fig. 2
Río Blanco, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24600 ***Ostrea cristata*** Born Representative specimen
Perry and Schwengel, 1955, p. 43 pl. 4, fig. 21
Sanibel, Lee Co., Fla. Recent
- 21910 ***Ostrea democraciana*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 19, pl. 9, fig. 3
Río "Sabaneta"* [Río Mitare] trail to La Pila, 3 mi. N. of Agua
Clara, Dist. of Democracia, St. of Falcón, Ven. upper
Oligocene
- 21913 ***Ostrea democraciana*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 19, pl. 9, fig. 7
Near Agua Clara, Dist. of Democracia, St. of Falcón, Ven.
basal Cerro Pelado fm., Oligocene-Miocene

- 21914 ***Ostrea democraciana*** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 19, pl. 10, figs. 1, 3
Río El Mene, SE. of La Planchada (SE. of Dabajuro), Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene-Miocene
- 21917 ***Ostrea democraciana chiriguarana*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 10, fig. 5
Agua Clara-Cuji sec. Dist. of Miranda, St. of Falcón, Ven.
"Damsite fm.," [Caujarao fm.], upper middle Miocene
- 21919 ***Ostrea democraciana chiriguarana*** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 11, figs. 1, 2
Cerro Chiriguare, SW. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Miocene-Pliocene
- 21920 ***Ostrea democraciana chiriguarana*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 11, fig. 3
Cerro Chiriguare, SW. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Miocene-Pliocene
- 21921 ***Ostrea democraciana cujiensis*** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 12, fig. 1
Agua Clara-Cuji sec. Dist. of Miranda, St. of Falcón, Ven.
lower "Damsite fm.,"* [Caujarao fm.], upper middle
Miocene
- 21922 ***Ostrea democraciana cujiensis*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 12, fig. 2
Agua Clara-Cuji sec. Dist. of Miranda, St. of Falcón, Ven.
lower "Damsite fm.,"* [Caujarao fm.], upper middle
Miocene
- 21923 ***Ostrea democraciana cujiensis*** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 20, pl. 12, fig. 3
Agua Clara-Cuji sec. Dist. of Miranda, St. of Falcón, Ven.
lower "Damsite fm.,"* [Caujarao fm.], upper middle
Miocene
- 14912 ***Ostrea disparilis*** Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 14913 ***Ostrea disparilis*** Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14948 **?*Ostrea disparilis*** Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307

Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene

- 14952 *?Ostrea disparilis* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 14995 *Ostrea disparilis* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 24125 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 1, fig. 2
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24126 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 1, fig. 3
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24128 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 2, fig. 1
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24129 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 2, fig. 2
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24130 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 2, fig. 3
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24131 *Ostrea disparilis fredeai* F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 3, fig. 1
Río Seco structure just S. of the town of Río Seco (Río Seco is
17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St.
of Falcón, Ven. Pliocene
- 24132 *Ostrea disparilis fredeai* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 6,
pl. 3, figs. 2-4

Río Seco structure just S. of the town of Río Seco (Río Seco is 17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda, St. of Falcón, Ven. Pliocene

- 4136 **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, figs. 1, 1a
About 2 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4137 **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, figs. 2, 3
About 2 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4138 **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, figs. 4, 7
About 2 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4138a **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, fig. 5
About 2 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4139 **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, fig. 6
About 2 mi. E. of Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4140 **Ostrea falco** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 20,
pl. 3, figs. 8, 9
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 24599 **Ostrea frons** Linnaeus Representative specimen
Perry and Schwengel, 1955, p. 42, pl. 4, fig. 20
Sanibel, Lee Co., Fla. Recent
- 21918 **Ostrea gatunensis aguacalarensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 21, pl. 10, fig. 7; pl. 11, fig. 4; pl. 12, fig. 4
N. side of Quebrada Oliva, NW. of Agua Clara, Dist. of Demo-
cracia, St. of Falcón, Ven. basal Cerro Pelado fm.,
trans. series Oligocene-Miocene
- 24434 **Ostrea georgiana** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 6, pl. 1, fig. 1
Pennsylvania Cement Corp., Plant 2, Clinchfield Quarry,
Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24435 **Ostrea georgiana** Conrad Hypotype
Harris, B.A.P., v. 23, No. 138, 1951, p. 6, pl. 1, fig. 2

Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
 "Ocala ls.", Jackson gr., upper Eocene

- 833 **Ostrea haitensis** Sowerby Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 78, pl. 9, fig. 1
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 2170 **Ostrea haitensis** Sowerby Hypotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 79, pl. 3, fig. 3
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 398 **Ostrea johnsoni** Aldrich Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 15, pl. 10, figs. 11-14
 Caton's Bluff, Conecuh R., WNW. of Andalusia, Covington Co.,
 Ala. Tallahatta fm., lower Claiborne gr., middle Eocene
- 399 **Ostrea johnsoni** Aldrich Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 15, pl. 10, fig. 15
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
 fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 27 **Ostrea larva** Lamareck Hypotype
 Harris, La Geol. Surv. Rpt., 1899, p. 293, pl. 49, fig. 3
 Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
 Bienville, Bienville Par., La. Upper Cretaceous
- 21145 **Ostrea megodon** Hanley Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 195, pl. 18, fig. 1
 Banana R., Limon Prov., C. R. Gatun fm., middle
 Miocene
- 962 **Ostrea messor** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 81, pl. 10, figs. 3, 4
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 840 **Ostrea messor caimitica** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 82, pl. 11, fig. 3
 Dom. Rep. Miocene
- 22909 **Ostrea messor colombiensis** Weisbord Holotype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 12, pl. 2, figs. 8, 9
 One half km. W. of Piedras de Afilar, Dept. of Atlantico, Col.
 Miocene
- 841 **Ostrea messor tabaquita** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 82, pl. 11, fig. 6
 Near Tabaquite oil field, 8½ mi. post on Tabaquite rd, SE. of
 Tabaquite, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
 lower Miocene

- 848 ***Ostrea messor ?tabaquita*** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 82, pl. 12, fig. 6
Brasso junc., $\frac{1}{2}$ mi. N. of Brasso station, Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 1925 ***Ostrea miradorensis*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 40, pl. 1, fig. 1
Mirador, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 1926 ***Ostrea miradorensis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 40, pl. 1, fig. 2
Mirador, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 3528 ***Ostrea negritensis*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 16
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3528a ***Ostrea negritensis*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 16, pl. 2, fig. 4 (missing
prior to 1937)
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 3529 ***Ostrea negritensis*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 16, pl. 2, figs. 5, 6
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleocene
- 22907 ***Ostrea osculum*** Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 12, pl. 2, fig. 6
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- 22908 ***Ostrea osculum*** Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 12, pl. 2, fig. 7
Near Usiacuri, Dept. of Atlantico, Col. Miocene
- 4805 ***Ostrea palpa*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 40, pl. 1, figs. 5, 6
Tortuga coast of Paita Pen., Dept. of Piura, Peru
Senonian
- 4806 ***Ostrea palpa*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 40, pl. 4, fig. 8
Tortuga coast of Paita Pen., Dept. of Piura, Peru
Senonian
- 4807 ***Ostrea palpa*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 40, pl. 4, fig. 10
Tortuga coast of Paita Pen., Dept. of Piura, Peru
Senonian
- 4808 ***Ostrea palpa*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 40
Tortuga coast of Paita Pen., Dept. of Piura, Peru
Senonian

- 24601 **Ostrea permollis** Sowerby Representative specimen
Perry and Schwengel, 1955, p. 43, pl. 4, fig. 22
Sanibel, Lee Co., Fla. Recent
- 28 **Ostrea plumosa** Morton Hypotype
Harris, La Geol. Surv. Rpt., 1899, p. 293, pl. 49, fig. 4
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 24436 **Ostrea "podagrina"** Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 6, pl. 1, figs. 3, 4
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
Ocala ls., Jackson gr., upper Eocene
- 838 **Ostrea puelchana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 79, pl. 11, fig. 1
Vessigny oil field, 1 mi. S. of mouth of Vessigny R., S. of Pitch
Lake and Brighton, NW. La Brea Ward, N. central St. Patrick
Co., Trinidad, W. I. upper Miocene
- 839 **Ostrea puelchana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 79, pl. 11, fig. 2
Vessigny oil field, 1 mi. S. of mouth of Vessigny R., S. of Pitch
Lake and Brighton, NW. La Brea Ward, N. central St. Patrick
Co., Trinidad, W. I. upper Miocene
- 851 **Ostrea puelchana** d'Orbigny Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 79, pl. 12, figs. 9, 10
Near Manzanilla Point, SE. Manzanilla Ward, central St.
Andrew Co., Trinidad, W. I. Miocene
- 46 **Ostrea pulaskensis** Harris Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 46, pl. 1, figs. 3, 3a
Prairie Bluff, Alabama R., Wilcox Co., Ala. Clayton
fm., lower Midway gr., Paleocene
- 3855 **Ostrea quiroga** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 6, pl. 2, figs. 4, 5
Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 3854 **Ostrea quiroga** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 6, pl. 2, fig. 3
Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 3852 **Ostrea restinensis** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 6, pl. 2, fig. 1
Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 3853 **Ostrea restinensis** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 6, pl. 2, fig. 2
Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 3522 **Ostrea samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 17, pl. 1, figs. 1, 2
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene

- 3523 **Ostrea samanensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 17, pl. 1, figs. 3, 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3524 **Ostrea samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 17, pl. 1, fig. 4
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 14985 **Ostrea sculptura** Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 20149 **Ostrea scyphax** H. Coquand Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1648, pl. 4, fig. 2
S. bank Río Apón, 100 m. upstream from La Luna contact,
Dist. of Perijá, St. of Zulia, Ven. Capacho fm., Middle Cretaceous
- 4804 **Ostrea (Lopha) sechura** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 41, pl. 1, figs. 7, 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 368 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 2
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 369 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 3
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 370 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 4
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 371 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 7
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 372 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 8
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 373 **Ostrea sellaeformis** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 9

- Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 374 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 10
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 375 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 11
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 376 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 12
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 377 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 7, fig. 1
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 378 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 5
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 379 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 10, pl. 6, fig. 6
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 11, pl. 7 (lost prior to 1937)
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 213 *Ostrea sellaeformis* Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 41, pl. 6, fig. 2
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 387 *Ostrea sellaeformis divaricata* Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 7
Newton, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 381 *Ostrea sellaeformis lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 1

- Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 382 ***Ostrea sellaeformis lisbonensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 2
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 383 ***Ostrea sellaeformis lisbonensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 3
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 384 ***Ostrea sellaeformis lisbonensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 4
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 385 ***Ostrea sellaeformis lisbonensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 5
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 386 ***Ostrea sellaeformis lisbonensis* Harris** Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 6
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
Cubitostrea lisbonensis (Harris), Stenzel, 1949, pp. 34-50
- 380 ***Ostrea sellaeformis smithvillensis* Harris** Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 11, pl. 8
 Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
Cubitostrea smithvillensis (Harris), Stenzel, 1949, pp. 34-50
- 388 ***Ostrea sellaeformis vermilla* de Gregorio** Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 12, pl. 9, fig. 8
 Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 25006 ***Ostrea* (Lopha) *serresi* Tournouër** Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 60
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 25003 ***Ostrea* (Lopha) cf. *serresi* Tournouër** Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 60
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene

- 24988 **Ostrea (Lopha) cf. serresi** Tournouër Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 60, pl. 3, fig. 4
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 20124 **Ostrea** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
Approx. 935 m. S. 62° of well Sibucara No. 4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven.
La Flores fm., upper Eocene
- 20132 **Ostrea** sp., possible opposite valve of **O. tacalensis** Hodson
Sutton, A.A.G.P., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No. 4 Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven. Las Flores fm., upper Eocene
- 20157 **Ostrea** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1659 (remarks: cf. *O. buski* Woods and *O. crenulimarginata* Gabb)
About 600 ft. NW. of Las Playitas, N. shore of Toas I., Tablazo Bay, Lake Maracaibo. Dist. of Mara, St. of Zulia, Ven.
Guasare fm., upper Paleocene
- 20159 **Ostrea** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1659 (remarks: cf. *O. buski* Woods and *O. crenulimarginata* Gabb)
About 600 ft. NW. of Las Playitas, N. shore of Toas I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia, Ven.
Guasare fm., upper Paleocene
- 20411 **Ostrea (Lopha) sp.** Figured specimen
Marks, B.A.P., v. 33, No. 139, p. 1951, p. 59, pl. 2, fig. 7
Near Jerusalém, 10.8 km. S. 70° W., Daule Basin, Guayas Prov., W. Ecua. Daule fm., middle Eocene
- 20412 **Ostrea (Lopha) sp.** Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 59, pl. 2, fig. 9
Near Jerusalém, 10.8 km. S. 70° W., Daule Basin, Guayas Prov., W. Ecua. Daule fm., middle Miocene
- 3720 **Ostrea stappenbecki** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 27, pl. 3, fig. 4
Monte Grande, lat 4° 28' S.; long 81° 6' W., Dept. of Piura, Peru Monte Grande fm., Maestrichtian
- 3721 **Ostrea stappenbecki** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 27, pl. 3, fig. 5
Monte Grande, lat 4° 28' S.; long 81° 6' W., Dept. of Piura, Peru Monte Grande fm., Maestrichtian
- 21911 **Ostrea tacalensis** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 19, pl. 9, fig. 4
Dist. of Buchivacoa, St. of Falcón, Ven. Eocene-Oligocene

- 21912 *Ostrea tacalensis* F. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 19, pl. 9, fig. 6
 Hill S. of Casa de la Peña just W. of Quebrada de Limpida,
 Dist. of Buchivacoa, St. of Falcón, Ven. Eocene-Oligo-
cene
- 21915 *Ostrea tacalensis* F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 19, pl. 10, fig. 2
 Hill S. of Casa de la Peña just W. of Quebrada de Limpida,
 Dist. of Buchivacoa, St. of Falcón, Ven. Eocene-Oligo-
cene
- 21916 *Ostrea tacalensis* F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 19, pl. 10, figs. 4, 6
 Dist. of Buchivacoa, St. of Falcón, Ven. Eocene-Oligo-
cene
- 20125 *Ostrea tacalensis* F. Hodson Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681, pl. 7, fig. 9
 W. side of small quebrada 880 m. S. 40° E. of well Sibucara
 No. 4, Cojoro structure, Cañada Honda, Dist. of Maracaibo,
 St. of Zulia, Ven. Las Flores fm., upper Eocene
- 20125a *Ostrea tacalensis* F. Hodson Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1681
 Cañada Honda area, Dist. of Maracaibo, St. of Zulia, Ven.
Las Flores fm., upper Eocene
- 215 *Ostrea thirsae* Heilprin Hypotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 40, pl. 6, figs. 5, 5a
 Nanafalia Ldg., Tombigbee R., Marengo Co., Ala.
 lower Wilcox [Sabine] gr., lower Eocene
- 216 *Ostrea thirsae* Heilprin Hypotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 40, pl. 6, fig. 6
 Nanafalia Ldg., Tombigbee R., Marengo Co., Ala.
 lower Wilcox [Sabine] gr., lower Eocene
- 4141 *Ostrea trigonalis* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
 pl. 4, figs. 2, 3
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4142 *Ostrea trigonalis* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
 pl. 4, fig. 4
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4143 *Ostrea trigonalis* Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
 pl. 4, fig. 5
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
Eocene

- 4144 *Ostrea trigonalis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
pl. 4, fig. 6
Town Creek, Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4145 *Ostrea trigonalis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
pl. 5, fig. 1
Town Creek, Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4146 *Ostrea trigonalis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
pl. 5, fig. 2
Shubuta, Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4147 *Ostrea trigonalis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 21,
pl. 5, fig. 3
Shubuta, Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 24437 *Ostrea trigonalis* Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 4
Dixie Lime Products Co., "dump", Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24438 *Ostrea trigonalis* Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 5
Dixie Lime Products Co., "dump", Reddick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 135 *Ostrea trigonalis sylvaeurypis* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 38, pls. 4, 5 top
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 136 *Ostrea trigonalis sylvaeurypis* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 38, pls. 4, 5 bottom
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 214 *Ostrea trigonalis sylvaeurypis* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 38, pl. 6, figs. 3, 3a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Ostrea trigonalis sylvaeurypis* Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 38, pl. 6, fig. 4 (lost prior
to 1937)
Locality not designated upper Wilcox [Sabine] gr.,
lower Eocene
- Ostrea tripolitana* Krumbeck Hypotypes
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 98,
pl. 17, figs. 6-8 (3 specimens) (lost prior to 1937)

Bontour Point, W. Naparima Ward, W. Victoria Co., Trinidad,
W. I. uppermost Cretaceous

- 4129 **Ostrea vicksburgensis** Conrad Hypotype
(4130) Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 17,
 pl. 1, fig. 16; pl. 2, fig. 1
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
 Eocene
- 4131 **Ostrea vicksburgensis** Conrad "var." Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 17,
 pl. 2, figs. 2, 3
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
 Eocene
- 4132 **Ostrea vicksburgensis** Conrad "var." Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 17,
 pl. 2, fig. 4
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
 Eocene
- 4133 **Ostrea vicksburgensis** Conrad "var." Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 17,
 pl. 2, figs. 5, 6
 Shubuta, Clarke Co., Miss. lower Jackson gr., upper
 Eocene
- 4134 **Ostrea vicksburgensis** Conrad "var." Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 17,
 pl. 2, fig. 6a
 St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
 R., Washington Co., Ala. Red Bluff cl., lower Oligocene
- 389 **Ostrea vicksburgensis ludoviciana** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 1
 Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
 Claiborne gr., middle Eocene
- 390 **Ostrea vicksburgensis ludoviciana** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 2
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene
- 391 **Ostrea vicksburgensis ludoviciana** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 7
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene
- 392 **Ostrea vicksburgensis ludoviciana** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 4
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene
- 393 **Ostrea vicksburgensis ludoviciana** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 5
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene

- 394 *Ostrea vicksburgensis ludoviciana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 6
Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 395 *Ostrea vicksburgensis ludoviciana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 9
Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 396 *Ostrea vicksburgensis ludoviciana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 8
Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 397 *Ostrea vicksburgensis ludoviciana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 10
Chestnut, Natchitoches Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- Ostrea vicksburgensis ludoviciana* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 14, pl. 10, fig. 3 (lost prior
to 1937)
Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 4135 *Ostrea vickburgensis ludoviciana* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, pl. 2,
fig. 7 (not n. var. as in expl. of pl.)
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 25322 *Ostrea virginica* Gmelin Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 5
Sanibel I., Lee Co., Fla. Recent
- 21909 *Ostrea virginica falconensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 22, pl. 9, fig. 2
La Vela traverse, Dist. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21925 *Ostrea virginica falconensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 22, pl. 13, figs. 2, 4
Around Cují, SE. of Urumaco, NW. of Agua Clara, Dist. of
Miranda, St. of Falcón, Ven. upper Miocene
- 21927 *Ostrea virginica falconensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 22, pl. 13, fig. 5
Ridge E. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene-Pliocene
- 21905 *Ostrea wiedenmayeri* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 18, pl. 8, figs. 2, 3
Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene

- 21906 **Ostrea wiedenmayeri** F. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 18, pl. 8, fig. 5; pl. 9, fig. 5
 Loma de Aviagua, SSE. of Dabajuro, Dist. of Buchivacoa, St.
 of Falcón, Ven. Oligocene
- 21907 **Ostrea wiedenmayeri** F. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 18, pl. 8, fig. 6
 Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene
- 5367 **?Ovoceras gibbosum** (Hall) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 68, pl. 4, fig. 6
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5368 **?Ovoceras gibbosum** (Hall) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 68
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 3683 **Ovula negritensis** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 74, pl. 20, fig. 3
 Near Negritos, Dept. of Piura, Peru Talara fm., lower
 upper Eocene
- 3767 **Oxytropidoceras cf. karsteni** Stieler Hypotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 78, pl. 11, figs. 3, 5
 Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
 Peru Pananga fm., Aptian—upper Albian
- 3765 **Oxytropidoceras parinense** Olsson Holotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 75, pl. 11, figs. 1, 4
 Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
 Peru Pananga fm., Aptian—upper Albian
- 504 **Pachecoa sabinica** (Harris) Lectotype
 Stenzel, Krause, and Twining, Univ. of Tex. No. 5704, 1957, p.
 66
 See *Trinacria pulchra sabinica* Harris
- 499- **Pachecoa smithvillensis** Stenzel and Twining
- 501 Stenzel, Krause, and Twining, Univ. of Tex. No. 5704, 1957, p.
 67
 See *Trinacria pulchra* (Gabb), Harris, B.A.P., v. 6, No. 31, 1919,
 p. 40, pl. 18, figs. 11-13
- 2077 **Pachychilus canoasensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 80, pl. 15, fig. 5
 Quebrada Canoas, Dept. of Tumbes, Peru Punta Bravo
 grits, Mancora fm., middle Oligocene
- 4963 **Paclceras gerthi** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 112, pl. 16, figs. 6, 7
 La Mesa, S. corner of Paita Mts., Dept. of Piura, Peru
 Campanian

- 4868 ***Paciceras pacificum*** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 111, pl. 17, figs. 9, 10
 La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
 basal or *Sphenodiscus* beds, Campanian
 Type species of *Paciceras* Olsson, 1944
- 5298 ***Paleanatina angusta*** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 88, pl. 41, fig. 10
 Portville, Cattaraugus Co., N. Y. Chemung stage, Seneca series, Upper Devonian
- 5296 ***Paleanatina* sp.** Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 87, pl. 41, fig. 8
 Salamanca Rock City, N. of Salamanca, Cattaraugus Co., N. Y. Salamanca fm., Conewango stage, Upper Devonian
- 5265 ***Paleanatina* cf. *typa*** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 87, pl. 40, figs. 2, 3
 One mi. SE. of Bradford, McKean Co., Pa. Salamanca fm., Conewango stage, Upper Devonian
- 5285 ***Paleanatina* cf. *typa*** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 87, pl. 40, fig. 6
 One mi. SE. of Bradford, McKean Co., Pa. Salamanca fm., Conewango stage, Upper Devonian
- 5287 ***Paleanatina* cf. *typa*** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 87, pl. 40, figs. 13-15
 One mi. SE. of Bradford, McKean Co., Pa. Salamanca fm., Conewango stage, Upper Devonian
- 5299 ***Paleanatina typa*** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 87, pl. 41, fig. 11
 Portville, Cattaraugus Co., N. Y. Chemung stage, Seneca series, Upper Devonian
- 5286 ***Paleoneilo* sp.** Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, pl. 40, fig. 12
 Bradford, McKean Co., Pa. Upper Conewango stage, Upper Devonian
- 25408 ***Palmula caribbeana*** Palmer Syntype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 287, pl. 53, fig. 5 [D.K.P. slide 191.9-26 (6) megalospheric form] (missing prior to 1958)
 NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25409 ***Palmula caribbeana*** Palmer Syntype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 287, pl. 53, fig. 6 [D.K.P. slide 191.9-26 (6) microspheric form] (missing prior to 1958)
 NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25410 ***Palmula cubana*** Palmer Holotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 287, pl. 52, fig. 16 [D.K.P. slide 191.9-18 (35)] (broken)

Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25411 ***Palmula cubana*** Palmer Paratype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 287, pl. 52, fig. 15 [D.K.P. slide 191.9-18 (35)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20711 ***Palmula henbesti lodoensis*** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 15, pl. 9, fig. 1; Marks, Micropal., v. 6, No. 4, 1952, p. 38
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., (I-S 9-179) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif.
Lodo fm., Paleocene-Eocene
- 24627 ***Pandora arenosa*** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 57, pl. 9, fig. 49
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 24626 ***Pandora bushiana*** Dall Representative specimen
Perry and Schwengel, 1955, p. 57, pl. 9, fig. 48
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 25339 ***Pandora gouldiana*** Dall Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937, p. 24, pl. 2, fig. 4
Beaufort, Carteret Co., N. C. Recent
- 24625 ***Pandora trilineata*** Say Representative specimen
Perry and Schwengel, 1955, p. 56, pl. 8, figs. 47a, b
Off Sanibel, Lee Co., Fla. Recent
- 3745 ***Panopea berryi*** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 58, pl. 7, fig. 3 [*Panopea sic*]
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura, Peru
Pananga fm., Aptian—upper Albian
- 2249 ***Panopea cf. coquimbensis*** d'Orbigny Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 145, p. 13, fig. 6
Upper Quebrada Heath, near Cerro Bruno, Dept. of Tumbes, Peru
Cardalitos fm., middle Miocene
- 20441 ***Panopea cf. coquimbensis*** d'Orbigny Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 88, pl. 6, fig. 10 [*Panopea sic*]
W. edge of Daule basin, N. of Pedro Pablo Gomez, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 4839 ***Panopea fraillia*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 64, pl. 4, fig. 9 [*Panopea sic*]
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian

- 4427 **Panopea oblongata** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 119,
pl. 25, fig. 6 [*Panope sic*]
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 20185 **Panopea plicata** Sowerby Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1643, pl. 4, figs. 5, 6
(lost prior to 1956)
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Apón fm.,
Middle Cretaceous
- 3138 **Papillina dumosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 365, pl. 52, figs. 1, 4
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 3139 **Papillina dumosa** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 365, pl. 52, fig. 12
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4736 **Papillina dumosa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 389,
pl. 52, figs. 12, 15
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4737 **Papillina dumosa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 389,
pl. 52, fig. 13
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4738 **Papillina dumosa** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 389,
pl. 52, fig. 14
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 3140 **Papillina dumosa trapaquara** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 365, pl. 52, fig. 2
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, *et al*, 1957, p. 66)
- 3141 **Papillina dumosa trapaquara** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 365, pl. 52, fig. 10
S. bank Colorado R., about 200 yd. W. of bridge at Smithville,
Bastrop Co., Tex. Weches fm., middle Claiborne gr.,
middle Eocene
- 3142 **Papillina papillata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 364, pl. 52, figs. 9, 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 3143 **Papillina papillata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 364, pl. 52, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3144 **Papillina papillata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 3, 1937, p. 364, pl. 52, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3145 **Papillina papillata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 364, pl. 52, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3146 **Papillina papillata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 364, pl. 52, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3127 **Papillina staminea** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 363, pl. 50, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3128 **Papillina staminea** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 363, pl. 50, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3129 **Papillina staminea** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 363, pl. 50, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24653 **Papyridea soleniformis** (Bruguère) Representative specimen
Perry and Schwengel, 1955, p. 68, pl. 13, fig. 74
Sanibel, Lee Co., Fla. Recent
- 24400 **Paracyathus peruvianus** Vaughan Hypotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 13, pl. 2, fig. 2
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 24401 **Paracyathus peruvianus** Vaughan Hypotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 13, pl. 2, fig. 2a
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 14911 **Paracyathus vauhani** Gane
McLean, B.A.P., v. 36, No. 160, 1956 (used in original study)
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 24347 **Paracycloceris elizabethae** forma **robustum** Wells Syntypes
Wells, B.A.P., v. 26, No. 97, 1941, p. 10
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov.,
Cuba Upper Cretaceous

- 24348 *Paracycloseris elizabethae* forma *robustum* Wells Syntypes
Wells, B.A.P., v. 26, No. 97, 1941, p. 10
Near Esperanza 10 km. E. Madruga, Habana Prov., Cuba
Upper Cretaceous
- 24332 *Paracycloseris elizabethae* forma *robustum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 10, pl. 2, fig. 1c
Near Esperanza, 10 km. E. Madruga, Habana Prov., Cuba
Upper Cretaceous
- 24333 *Paracycloseris elizabethae* forma *robustum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 10, pl. 2, fig. 1d
Near Esperanza, 10 km. E. Madruga, Habana Prov., Cuba
Upper Cretaceous
- 24334 *Paracycloseris elizabethae* forma *turbinatum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 10, pl. 2, fig. 1e
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 24345 *Paracycloseris elizabethae* forma *turbinatum* Wells Syntypes
Wells, B.A.P., v. 26, No. 97, 1941, p. 10
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 24317 *Paracycloseris elizabethae* forma *typicum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 9, pl. 2, fig. 1
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 24318 *Paracycloseris elizabethae* forma *typicum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 9, pl. 2, fig. 1a
Ravine 1 km. W. Central Perseverancia, Santa Clara, Prov., Cuba
Upper Cretaceous
- 24319 *Paracycloseris elizabethae* forma *typicum* Wells Syntype
Wells, B.A.P., v. 26, No. 97, 1941, p. 9, pl. 2, fig. 1b (slide)
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 24346 *Paracycloseris elizabethae* forma *typicum* Wells Syntypes
Wells, B.A.P., v. 26, No. 97, 1941, p. 10
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 22494 *Paracypris choctawhatcheensis* Puri Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 70, pl. 7, figs. 2a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22495 *Paracypris choctawhatcheensis* Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 70, pl. 7, figs. 2c, d
(missing when deposited 1957)
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22496 **Paracypris choctawhatcheensis** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 70
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22524 **Paracytheridea vandenboldi** Puri Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 75, pl. 8, figs. 4a, b
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 3763 **Paraglauconia pananga** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 62, pl. 10, fig. 7
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian
- 20183 **Parahoplites cf. inconstans** Reidel Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 3, fig. 4
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Apón
fm., Middle Cretaceous
- 20170 **Parahoplites** sp. and **Acanthoplites** sp. Unfigured specimens
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1643
From 1st forest-covered talus slope in weathered gap between
limestone hill, S. side of Río Negro, Dist. of Perijá, St. of
Zulia, Ven. Found in concretions weathered out of
black, calcareous shale, Apón fm., Middle Cretaceous
- 20186 [**Parahoplites**] Specimen not determined
Sutton, A.A.P.G., v. 30, No. 10, 1946, pp. 1621-1741
No locality or age given
- 4919 **?Paralegoceras milleri** Flower and Caster Holotype
Flower and Caster, B.A.P., v. 22, No. 75, 1935, p. 56, pl. 8, fig. 1
(not in Antioch College as indicated in text)
Howard Quarry, Erie Co., Pa. lower Conewango stage,
Upper Devonian
- 4962 **Parapachydiscus** sp. Figured specimen
Olsson, B.A.P., v. 28, No. 111, 1944, p. 107, pl. 16, fig. 1
Tortuga, coast of Paita Pen. Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 5154 **Paraphorhynchus girtyi** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 23, pl. 9, figs. 15, 17-19,
22
On road between Scania and Smethport, McKean Co., Pa.
Corry ss. ("Venango First Oil sd."), Lower Mississipp-
ian
- 5153 **Paraphorhynchus medialis** (Simpson) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 21, pl. 9, fig. 14
E. of monument at Cobham, Warren Co., Pa. Corry ss.,
("Venango First Oil sd."), Lower Mississippian
- 5157 **Paraphorhynchus medialis** (Simpson) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 21, pl. 9, fig. 21
E. of monument at Cobham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian

- Paraphorhynchus** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 21, pl. 9, fig. 13 (missing prior to 1937)
 Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil sd."), Lower Mississippian
- 5155 **Paraphorhynchus striata** (Simpson) Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 24, pl. 9, fig. 16
 E. of monument at Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil sd."), Lower Mississippian
- 5156 **?Paraphorhynchus striata** (Simpson) Plastotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 24, pl. 9, fig. 20 (gutta percha cast)
 E. of monument at Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil sd."), Lower Mississippian
- 5304 **Pararca equilateralis** Caster Holotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 84, pl. 42, fig. 3
 Glade, Warren Co., Pa. Salamanca fm., Conewango stage, Upper Devonian
- 5306 **Pararca erecta** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 82, pl. 42, fig. 6
 Stone ledge near Checkered School House, Panama, Chautauqua Co., N. Y. Panama cgl., Conewango stage, Upper Devonian
- Pararca** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 84, pl. 30a, fig. 12 (lost prior to 1937)
 Road cut at Flat Iron station, 1 mi. N. of Olean Rock City, Cattaraugus Co., N. Y. Oswayo fm., Conewango stage, Upper Devonian
- 5307 **Pararca transversa** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 83, pl. 42, fig. 7
 Flat Iron Station, near Olean Rock City, Cattaraugus Co., N. Y. Oswayo fm., Conewango stage, Upper Devonian
- 5416 **?Paraspirifer** sp. Figured specimen
 Caster, B.A.P., v. 24, No. 83, 1939, p. 167, pl. 12, fig. 9
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 24671 **Parastarte triquetra** (Conrad) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 68, pl. 14, fig. 92; Perry and Schwengel, 1955, p. 75, pl. 14, fig. 92
 Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 3831 **Paraster camagüeyensis** Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 68, pl. 7, figs. 9-11
 In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba upper Eocene
- 3833 **Paraster cubitabellae** Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 72, pl. 7, figs. 15, 16

In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba
upper Eocene

- 3830 **Paraster nuevitasensis** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 67, pl. 7, figs. 7, 8
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba
upper Eocene
- 3832 **Paraster pastelilloensis** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 70, pl. 7, figs. 12-14
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba
upper Eocene
- 4929 **Parinana americana** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 90, pl. 12, fig. 4 (lost prior to 1956)
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4930 **Parinana magma** (Woods) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 89, pl. 15, fig. 14
Cabo Blanco, Dept. of Piura, Peru Parinas ss., middle Miocene
Type species of *Parinana*, Olsson, 1944
- 24718 **Parviturboides interruptum sanibelense** Pilsbry
Representative specimen
Perry and Schwengel, 1955, p. 110, pl. 22, figs. 141a, b
Sanibel, Lee Co., Fla. Recent
- 2682 **Pasitheola guttula** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 69, pl. 6, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2683 **Pasitheola guttula** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 69, pl. 6, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3820 **Pauropygus cf. clarki** Lambert Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 57, pl. 6, figs. 1-3
Three km. NW. of Entronque Paso Real on rd. to San Diego de Los Baños, Pinar de Río Prov., Cuba
upper Eocene
- 1406 **Pecchiolia dalliana** Harris Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 16, pl. 2, fig. 7
City [Rock] Quarry near Wilmington, New Hanover Co., N. C.
Castle Hayne fm., Jackson gr., upper Eocene
- 21952 **Pecten (Amusium) aguacolarensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 36, pl. 18, fig. 1
Quebrada Santiago sec., Dist. of Buchivacoa, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene

- 21968 **Pecten (Amusium) aguacolarensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 36, pl. 21, fig. 1
Agua Clara traverse, Dist. of Democracia, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- 21969 **Pecten (Amusium) aguacolarensis** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 36, pl. 21, fig. 2
Agua Clara traverse, Dist. of Democracia, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- Pecten alabamensis** Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 48, pl. 2, fig. 3 (lost prior
to 1937)
Exact locality not designated Midway gr., Paleocene
- 21160 **Pecten (Pseudamusium) almirantensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 203, pl. 18, fig. 16
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20417 **Pecten (Aequipecten) amenensis** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 62, pl. 3, fig. 2
Near Progreso, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 20418 **Pecten (Aequipecten) amenensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 62, pl. 3, fig. 7
Near Progreso, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 20418a **Pecten (Aequipecten) amenensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 62
Near Progreso, Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 25058 **Pecten antiguensis** Brown Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
107, pl. 19, fig. 4
Adivinanza Quarry about 6 mi. E. of Princes Town, NW. Otoire
Ward, NE. Victoria Co., Trinidad, W. I. Oligocene
- 21962 **Pecten antiguensis churuguarensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 35, pl. 20, fig. 1
Quebrada Santiago, SE. of Dabajuro, Dist. of Buchivacoa, St.
of Falcón, Ven. Oligocene
- 21964 **Pecten antiguensis churuguarensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H.K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 35, pl. 20, fig. 3
Santiago sec., S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., upper middle Oligocene
- 21965 **Pecten antiguensis churuguarensis** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 35, pl. 20, fig. 4

In or N. of Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper middle Oligocene

- 21971 **Pecten antiguensis churuguarensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 35, pl. 22, fig. 2
Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. Oligocene
- 20303 **Pecten aotus** Olsson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coast Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 21161 **Pecten (Pseudamusium) aotus** Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 204, pl. 18, figs. 17, 18
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 798 **Pecten archon** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 84, pl. 16, fig. 2
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park, sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 813 **Pecten archon** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 84, pl. 16, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park, sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 835 **Pecten archon** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 84, pl. 16, fig. 5
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park, sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 4168 **Pecten (Chlamys) beverlyi** Tucker Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 30, pl. 8, figs. 1, 2
Sabine R., Tex. (Exact locality unknown, see Veatch Survey, 1902, p. 129) Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4169 **Pecten (Chlamys) beverlyi** Tucker Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 30, pl. 8, figs. 3, 4
Sabine R., Tex. (Exact locality unknown, see Veatch Survey, 1902, p. 129) Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4170 **Pecten (Chlamys) beverlyi** Tucker Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 30, pl. 8, fig. 5

Sabine R., Tex. (Exact locality unknown, see Veatch Survey, 1902, p. 129) Cook Mt. fm., upper Claiborne gr., middle Eocene

- 24971 **Pecten brouweri** Tucker "Paratype"
Tucker-Rowland, Amer. Midl. Nat., v. 15, No. 5, 1934, p. 612;
Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 2, 1936, p. 484
Nixon's Ldg., Waccamaw R., Horry Co., S. C. Waccamaw fm., lower Pliocene
- 21943 **Pecten (Chlamys) buchivacoanus** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 29 pl. 16., fig. 6
SW. of La Fila del Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21945 **Pecten (Chlamys) buchivacoanus** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 29, pl. 16, figs. 8, 10, 11
SW. of La Fila del Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21947 **Pecten buchivacoanus falconensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 31, pl. 17, fig. 2
S. of Chiparita, SE. of La Vela de Coro, Dist. of Colina, St. of Falcón, Ven. "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21948 **Pecten buchivacoanus falconensis** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 31, pl. 17, figs. 3, 7
S. of Chiparita, SE. of La Vela de Coro, Dist. of Colina, St. of Falcón, Ven. "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21949 **Pecten buchivacoanus falconensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 31, pl. 17, fig. 4
NW. sec. La Vela, strike N. 20° E., dip 24° NW., Dist. of Colina, St. of Falcón, Ven. "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21950 **Pecten buchivacoanus falconensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 31, pl. 17, fig. 5
NW. sec. La Vela, strike N. 20° E., dip 24° NW., Dist. of Colina, St. of Falcón, Ven. "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21951 **Pecten buchivacoanus maracaibensis** F. and H. K. Hodson
Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 31, pl. 17, fig. 6
N. coast Buena Vista structure, La Vela, Dist. of Colina, St. of Falcón, Ven. Miocene

- 441 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 1
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 442 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 2
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 443 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 3
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 444 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 4
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 445 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 5
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 446 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 6
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 447 **Pecten cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 27, pl. 15, fig. 7
Cawcaw Swamp, Orangeburg Co., S. C. McBean fm.,
upper Claiborne gr., middle Eocene
- 834 **Pecten cf. cercadica** Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 87, pl. 16, fig. 4
"Top of Brasso section", Caparo R. valley, Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 898 **Pecten cercadica tabaquita** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 88, pl. 14, fig. 1
Near Tabaquite oil field, 8½ mi. post on Tabaquite rd. SE. of
Tabaquite, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
lower Miocene
- 21932 **Pecten circularis caucanus** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 27, pl. 15, figs. 1, 8
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro,
N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21929 **Pecten circularis cornellanus** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 26, pl. 14, fig. 2

Around Urumaco, near boundary of Dists. of Democracia and
Miranda, St. of Falcón, Ven. Miocene

- 21934 **Pecten circularis cornellanus** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 26, pl. 15, figs. 3, 10
Around Urumaco, near boundary of Dists. of Democracia and
Miranda, St. of Falcón, Ven. Miocene
- 21940 **Pecten circularis cornellanus** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 26, pl. 16, fig. 3
NE. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21931 **Pecten circularis venezuelanus** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A. P., v. 13, No. 49,
1927, p. 25, pl. 14, fig. 6
Quebrada NW. sec. La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene-Pliocene
- 21933 **Pecten circularis venezuelanus** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 25, pl. 15, fig. 2; pl. 17, fig. 1 (intergrading form)
NW. sec., La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene-Pliocene
- 21935 **Pecten circularis venezuelanus** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 25, pl. 15, fig. 4 (intergrading form)
E. end of Punta Sabanas Altas, Dist. of Zamora, St. of Falcón,
Ven. upper Miocene-lower Pliocene
- 448 **Pecten clarkeanus** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 25, pl. 15, fig. 10
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 449 **Pecten clarkeanus** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 25, pl. 15, fig. 11
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 450 **Pecten clarkeanus** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 25, pl. 15, fig. 12
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 451 **Pecten clarkeanus** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 25, pl. 15, fig. 13
Hamilton Bluff, Alabama R., Monroe Co., Ala. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- Pecten (clarkeanus ? var.) burlesonensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 26, pl. 14, fig. 12 (lost
prior to 1937)
Burleson Shell Bluff [Collier's Ferry], Brazos R., NE. Burleson
Co., Tex. Weches fm., middle Claiborne gr., middle
Eocene (Stenzel, 1939, p. 807)

- 21953 **Pecten coderensis** Williston in F. Hodson, H. K. Hodson, and
Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 34, pl. 18, fig. 2
N. 65 m. from 3d quebrada N. of Codore de Dentro, N. of
Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21955 **Pecten coderensis** Williston in F. Hodson, H. K. Hodson, and
Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 34, pl. 18, fig. 4
N. 65 m. from 3d quebrada N. of Codore de Dentro, N. of
Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21956 **Pecten coderensis** Williston in F. Hodson, H. K. Hodson, and
Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 34, pl. 18, fig. 5
N. 65 m. from 3d quebrada N. of Codore de Dentro, N. of
Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21963 **Pecten coderensis willisoni** Harris, F. and H. K. Hodson
Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 35, pl. 20, fig. 2
N. 65 m. from 3d quebrada N. of Codore de Dentro, N. of
Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21954 **Pecten (aff. Nodipecten) colinensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 33, pl. 18, fig. 3
Rim Rock, E. of Taratara, strike N. 40° W., dip 10° E., N.
"coast" [flank], La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene-Pliocene
- 21957 **Pecten (aff. Nodipecten) colinensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 33, pl. 18, fig. 6
Rim Rock, E. of Taratara, strike N. 40° W., dip 10° E., N.
"coast" [flank], La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene-Pliocene
- 21961 **Pecten (aff. Nodipecten) collinensis** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 33, pl. 19, fig. 4
Buena Vista structure between La Vela and Taratara, Dist. of
Colina, St. of Falcón, Ven. Miocene-Pliocene
- 21143 **Pecten coralliphila** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 199, pl. 17, fig. 5
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene

- 21144 ***Pecten coralliphila*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 199, pl. 17, fig. 6
 Port Limon, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 4171 ***Pecten (Chlamys) corvina*** Harris Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 31,
 pl. 8, fig. 6
 Crow Cr., near Forrest City, St. Francis Co., Ark.
 lower Jackson gr., upper Eocene
- 21152 ***Pecten (Chlamys) costaricensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 201, pl. 18, fig. 8
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21153 ***Pecten (Chlamys) costaricensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 201, pl. 18, fig. 9
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21154 ***Pecten (Chlamys) costaricensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 201, pl. 18, fig. 10
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21155 ***Pecten (Chlamys) costaricensis*** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 201, pl. 18, fig. 11
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 4172 ***Pecten (Chlamys) danvillensis*** Weisbord in Tucker-Rowland Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 31,
 pl. 8, fig. 7 (lost prior to 1955)
 Tullos, Winn Par., La. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4173 ***Pecten (Chlamys) danvillensis*** Weisbord in Tucker-Rowland Syntype
 Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 6, 1936, p. 999,
 pl. 6, fig. 12; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1,
 1946, p. 31, pl. 8, figs. 8, 9
 Danville Ldg., Ouachita R., Catahoula Par., La. [not Tullos, La.
 as in B.A.P., v. 30, No. 117, pl. 8, fig. 8; one syntype returned
 p. 32] lower Jackson gr., upper Eocene
- 836 ***Pecten (Plagiectenium) demiurgus*** Dall Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 85, pl. 16, fig. 6
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
 sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
 SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
 Miocene
- 21367 ***Pecten (Plagiectenium) demiurgus*** Dall Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 85, pl. 14, fig. 5

Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

Pecten demiurgus Dall Hypotype

Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 109, pl. 20, figs. 3, 4 (lost prior to 1937)

Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

426 **Pecten deshayerii** Lea "var." Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 1

Claiborne Bluff, Alabama R., Monroe Co., Ala.

Scutella bed, lower Jackson gr., upper Eocene

See *Chlamys deshayerii dennisoni* Tucker

427 **Pecten deshayerii** Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 2

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

429 **Pecten deshayerii** Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 4

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

430 **Pecten deshayerii** Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 5

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

431 **Pecten deshayerii** Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 13, fig. 6

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

428 **Pecten deshayerii** [lyelli] Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 20, pl. 13, fig. 3

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

432 **Pecten deshayerii** [lyelli] Lea Hypotype

Harris, B.A.P., v. 6, No. 31, 1919, p. 20, pl. 13, fig. 7

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene Gosport

1409 **Pecten ?elixatus** Conrad Hypotype

Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 15, pl. 2, fig. 10; Richards, Jour. Pal., v. 17, No. 5, 1943, p. 519, pl. 84, fig. 9

Rt. bank of Trent R., about 6 mi. below Pollocksville, Jones Co., N. C.

"Trent fm., lower Claiborne, middle Eocene", Harris; "Trent fm., lower Miocene", Kellum, 1926; age in process of determination. [Pollocksville *sic*]

- 1410 **Pecten ?elixatus** Conrad Hypotype
 Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 15, pl. 2,
 fig. 11 [Pollocksville *sic*]
 Rt. bank of Trent R., about 6 mi. below Pollocksville, Jones
 Co., N. C. "Trent fm., lower Claiborne, middle Eocene",
 Harris; "Trent fm., lower Miocene", Kellum, 1926; age in
 process of determination.
- 21134 **Pecten gatunensis** Toulia Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 197, pl. 16, fig. 3
 Gatun, C. Z. Gatun fm., middle Miocene
- 21135 **Pecten gatunensis** Toulia Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 197, pl. 16, fig. 4
 Gatun, C. Z. Gatun fm., middle Miocene
- 837 **Pecten (Plagioctenium) gibbus** (Linnaeus) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 86, pl. 16, fig. 1
 Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
 Matura fm., upper Pliocene
- 899 **Pecten (Plagioctenium) gibbus** (Linnaeus) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 86, pl. 14, fig. 2
 Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
 Matura fm., upper Pliocene
- 21958 **Pecten (aff. Plagioctenium) gilbertharrisi** F. and H. K. Hodson
 Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 28, pl. 19, fig. 1 [see expl. of fig. 2 for locality and
 description]
 Agua Clara-Cují sec., Dist. of Miranda, St. of Falcón, Ven.
 "Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21959 **Pecten (aff. Plagioctenium) gilbertharrisi** F. and H. K. Hodson
 Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 28, pl. 19, fig. 2 [see expl. of fig. 1 for locality and
 description]
 Around Cují, SE. of Urumaco and NNW. Agua Clara, Dist.
 of Miranda, St. of Falcón, Ven. Socorro fm., lower
 middle Miocene
- 21960 **Pecten (aff. Plagioctenium) gilbertharrisi** F. and H. K. Hodson
 Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 28, pl. 19, fig. 3
 Cují sec., Agua Clara, Dist. of Miranda, St. of Falcón, Ven.
 lower "Damsite fm."* [Caujarao fm.], upper middle
 Miocene
- 21967 **Pecten (aff. Plagioctenium) gilbertharrisi** F. and H. K. Hodson
 Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 28, pl. 20, fig. 6
 Cují sec., SE. of Urumaco and NNW. of Agua Clara, Dist. of
 Miranda, St. of Falcón, Ven. Socorro fm., lower middle
 Miocene

- 21966 **Pecten gilbertharrisi democracianus** F. and H. K. Hodson
 Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 28, pl. 20, fig. 5
 Cují sec., NNW. of Agua Clara, SE. of Urumaco, Dist. of
 Miranda, St. of Falcón, Ven. "Damsite fm."* [Caujarao
 fm.], upper middle Miocene
- 2187 **Pecten hopkinsi** Olsson
 See *Pecten (Chlamys) tucilla* Olsson
- 3916 **Pecten humphreysii** Conrad Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 24, pl. 2, fig. 1
 N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 3917 **Pecten humphreysii** Conrad Hypotype
 Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 24, pl. 2, fig. 2
 N. of Randle Cliff Beach, Calvert Co., Md. Calvert fm.,
 lower middle Miocene
- 2178 **Pecten illesca** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 80, pl. 4, fig. 4
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 2180 **Pecten illesca** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 80, pl. 4, fig. 6
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 2181 **Pecten illesca** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 80, pl. 4, fig. 7
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 2184 **Pecten illesca** Olsson Paratype
 Olsson, B.A.P. v. 19, No. 68, 1932, p. 80, pl. 4, fig. 10
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 2186 **Pecten illesca** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 80, pl. 4, fig. 12
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 2191 **Pecten illesca** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 80, pl. 5, fig. 7
 Quebrada Montera, Dept. of Piura, Peru Montera fm.,
 lower Miocene
- 21936 **Pecten interlineatus aidei** Williston in F. Hodson, H. K. Hodson,
 and Harris Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 29, pl. 15, figs. 6, 9 (not *aidii* as in expl. of pl.)
 Exact locality not designated, Dist. Democracia or Miranda,
 St. of Falcón, Ven. Miocene-Pliocene

- 25325 **Pecten irradians** Lamarck Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 1, fig. 8
Beach at Oceanside, Cape Lookout, Carteret Co., N. C.
Recent
- 14905 **Pecten jeffersonius** Say
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base, lower end of beach, James City Co., Va.
Yorktown fm., upper Miocene
- 14910 **Pecten jeffersonius** Say Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14975 **Pecten jeffersonius** Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14980 **Pecten jeffersonius** Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14990 **Pecten jeffersonius** Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed, upper bed, James City Co.,
Va. Yorktown fm., upper Miocene
- 14963 **Pecten jeffersonius edgecombensis** Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 14993 **Pecten jeffersonius edgecombensis** Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 21136 **Pecten (Chlamys) levicostatus** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 199, pl. 16, fig. 5
Hill No. 2, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21137 **Pecten (Chlamys) levicostatus** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 199, pl. 16, fig. 6
Hill No. 2, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21138 **Pecten (Chlamys) levicostatus** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 199, pl. 16, fig. 7
Hill No. 2, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21132 **Pecten macdonaldi** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 198, pl. 16, fig. 1

- Gatun, W. of locks, C. Z. Toro ls. mem., Charges ss.,
lower Pliocene
- 21133 **Pecten macdonaldi** Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 198, pl. 16, fig. 2
Gatun, W. of locks, C. Z. Toro ls. mem., Charges ss.,
lower Pliocene
- 900 **Pecten maturensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 89, pl. 14, fig. 3
Matura Bay, E. of Matura Ward, NE. St. Andrew Co., Trinidad,
W. I. ?Pliocene locality and age from specimen
- 901 **Pecten maturensis** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 89, pl. 14, fig. 4
Matura Bay, E. of Matura Ward, NE. St. Andrew Co., Trinidad,
W. I. ?Pliocene locality and age from specimen
- 2188 **Pecten (Chlamys) nelsoni** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 82, pl. 5, fig. 3
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2190 **Pecten (Chlamys) nelsoni** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 82, pl. 5, fig. 6
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 4158 **Pecten (Chlamys) nupera** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 29,
pl. 7, figs. 1, 1a
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4159 **Pecten (Chlamys) nupera** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 29,
pl. 7, fig. 2
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4160 **Pecten (Chlamys) nupera** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 29,
pl. 7, fig. 3
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4161 **Pecten (Chlamys) nupera** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 29,
pl. 7, fig. 4
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4162 **Pecten perplanus** Morton Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 7, fig. 5
St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
R., Washington Co., Ala. Red Bluff cl., lower Oligocene

- 4163 **Pecten perplanus** Morton Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 7, fig. 6
St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
R., Washington Co., Ala. Red Bluff cl., lower Oligocene
- 4164 **Pecten perplanus** Morton Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 7, fig. 7
St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
R., Washington Co., Ala. Red Bluff cl., lower Oligocene
- 4165 **Pecten perplanus** Morton Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 7, fig. 8
St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
R., Washington Co., Ala. Red Bluff cl., lower Oligocene
- 4166 **Pecten perplanus** Morton Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 7, fig. 9
St. Stephen's Bluff, $\frac{1}{2}$ mi. W. of Graveyard Hill, Tombigbee
R., Washington Co., Ala. Red Bluff cl., lower Oligocene
- 4167 **Pecten perplanus "poulsoni"** of authors Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 28,
pl. 7, figs. 10, 11
Byram, Hinds Co., Miss. Byram ml., Vicksburg gr.,
middle Oligocene
- 20413 **Pecten (Aequipecten) plurinominis progresoensis** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 60, pl. 2, fig. 8; pl. 3,
fig. 4
Progreso Basin, SW. Ecua. Progreso fm., middle Mio-
cene
- 20414 **Pecten (Aequipecten) plurinominis progresoensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 60, pl. 3, fig. 5
From 10 km. N. 72° E. to 7.9 km. N. 85° E. of Progreso, Guayas
Prov., SW. Ecua. Progreso fm., middle Miocene
- 20415 **Pecten (Aequipecten) plurinominis progresoensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 60
From 10 km. N. 72° E. to 7.9 km. N. 85° E. of Progreso, Guayas
Prov., SW. Ecua. Progreso fm., middle Miocene
- 21140 **Pecten (Chlamys) preglyptus** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 202, pl. 17, figs. 2, 7
Upper Cocles Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 439 **Pecten pulchricosta** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 24, pl. 14, fig. 9
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene

- 440 ***Pecten pulchricosta*** Meyer and Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 24, pl. 14, fig. 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 21938 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21939 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21941 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 4
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21942 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21944 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 7
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21946 ***Pecten* (aff. *Aequipeecten*) *quirosensis*** Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 32, pl. 16, fig. 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. Quiroz*, Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24604 ***Pecten raveneli*** Dall Representative specimen
Perry and Schwengel, 1955, p. 47, pl. 5, figs. 25a, b
Seven fm. off Sanibel, Lee Co., Fla. Recent
- 14967 ***Pecten santamaria middlesexensis*** Mansfield Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powells Lake, top bed, James City Co., Va. Yorktown fm., upper Miocene
- 14972 ***Pecten santamaria middlesexensis*** Mansfield Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powells Lake Spillway, *Ostrea* bed (2d from top sand), James City Co., Va. Yorktown fm., upper Miocene
- 452 ***Pecten scintillatus*** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 14

- Exact locality not indicated, Miss. Jackson gr., upper Eocene
- 4174 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 1
Garland Cr. above Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4175 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 2
Garland Cr. above Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4176 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 3
Garland Cr. above Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4177 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 4
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4178 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 5
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4179 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 6
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4180 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 8
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4181 *Pecten (Eburneopecten) scintillatus* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 33,
pl. 9, fig. 7
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 185 *Pecten (Eburneopecten) scintillatus corneoides* Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 43, pl. 7, fig. 1; Harris and
Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, pl. 9, fig. 9
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
See *Pseudamussium claibornense* Conrad

- 453 ***Pecten scintillatus corneoides* Harris** Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 15
St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 454 ***Pecten scintillatus corneoides* Harris** Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 28, pl. 15, fig. 16
St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3502 ***Pecten smithi* Olsson** Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 11, pl. 4, fig. 1
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 3503 ***Pecten smithi* Olsson** Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 11, pl. 4, fig. 2
Kings Mill, James City Co., Va. Yorktown fm., upper Miocene
- 21926 ***Pecten soror codercola* Harris** Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 23, pl. 13, fig. 3
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro, N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene-Pliocene
- 21928 ***Pecten soror codercola* Harris** Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 23, pl. 14, figs. 1, 5
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro, N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene-Pliocene
- 21937 ***Pecten soror codercola* Harris** Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 23, pl. 15, fig. 7
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro, N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene-Pliocene
- 21924 ***Pecten soror urumacensis* Harris** Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 22, pl. 13, fig. 1; pl. 14, fig. 3
First ridge N. of Coro rd. (N. of high ridge E. of Urumaco), Dist. of Democracia, St. of Falcón, Ven. Miocene
- 21930 ***Pecten soror urumacensis* Harris** Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 22, pl. 14, fig. 4
W. of Río Coro at Caujararo, S. of Coro, Dist. of Miranda, St. of Falcón, Ven. Miocene
- 433 ***Pecten* sp.** Figured specimen
Harris, B.A.P., v. 6, No. 31, 1919, p. 20, pl. 13, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene

- 4153 **Pecten (Chlamys) spillmani** (Gabb) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 6, figs. 3, 3a
Three mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4154 **Pecten (Chlamys) spillmani** (Gabb) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 6, figs. 4, 7
Three mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4155 **Pecten (Chlamys) spillmani** (Gabb) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 6, fig. 5
Three mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4156 **Pecten (Chlamys) spillmani** (Gabb) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 6, fig. 6
Three mi. E. of Shubuta, Clarke Co., Miss. lower Jack-
son gr., upper Eocene
- 4157 **Pecten (Chlamys) spillmani** (Gabb) Hypotype
Harris, and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 27,
pl. 6, figs. 8, 8a
One mi. E. of old Fail P. O. site, W. of Silas, Choctaw Co., Ala.
lower Jackson gr., upper Eocene
- 1407 **Pecten trentensis** Harris Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 15, pl. 2,
fig. 8
Rt. bank of Trent R., about 6 mi. below Pollocksville, Jones Co.,
N. C. "Trent fm., lower Claiborne, middle Eocene",
Harris; "Trent fm., lower Miocene", Kellum, 1926; age in
process of determination. [Pollocksville]
- 1408 **Pecten trentensis** Harris Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 15, pl. 2,
fig. 9; Tucker-Rowland, Amer. Midl. Nat., v. 17, No. 6, 1936,
p. 1005, pl. 10, fig. 8; Richards, Jour. Pal., v. 17, No. 5, 1943,
p. 519, pl. 84, figs. 12, 25
Rt. bank of Trent R., about 6 mi. below Pollocksville, Jones Co.,
N. C. "Trent fm., lower Claiborne, middle Eocene",
Harris; "Trent fm., lower Miocene", Kellum, 1926; age in
process of determination. [Pollocksville]
See *Chlamys trentensis* (Harris)
- 2187 **Pecten (Chlamys) tucilla** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 83, pl. 5, fig. 1 = *P. hop-*
kinsi p. 83
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2189 **Pecten (Chlamys) tucilla** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 83, pl. 5, fig. 4
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene [= *P. hopkinsi* p. 83]

- 3483 **Pecten (Nodipecten) vaccamavensis** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 11, pl. 1, fig. 1
 Lake Waccamaw, Columbus Co., N. C. Waccamaw fm.,
lower Pliocene
- 14986 **Pecten virginianus** Conrad Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 434 **Pecten wautubbeanus** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 21, pl. 14, fig. 1
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 435 **Pecten wautubbeanus** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 21, pl. 14, fig. 2
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 436 **Pecten wautubbeanus** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 21, pl. 14, fig. 3
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 437 **Pecten wautubbeanus** Dall "var." Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 21, pl. 14, fig. 5
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- Pecten wautubbeanus** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 21, pl. 14, fig. 4 (lost prior
 to 1937)
 Wautubbee, Clarke Co. or Hickory, Newton Co., Miss.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 438 **Pecten wautubbeanus cainei** Harris Holotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 24, pl. 14, fig. 8
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 20416 **Pecten (Aequipecten) woodringi** Spieker Hypotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 61, pl. 3, fig. 1
 From 10 km. 72° E. to 7.9 km. N. 85° E. of Progreso, Progreso
 Basin,, Guayas Prov., SW. Ecu. Progreso fm., middle
Miocene
- 21970 **Pecten (Amusium) zamorensis** F. and H. K. Hodson Paratype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 38, pl. 22, figs. 1, 4
 E. end of Punta Sabanas Altas, Dist. of Zamora, St. of Falcón,
 Ven. Pliocene
- 21972 **Pecten (Amusium) zamorensis** F. and H. K. Hodson Holotype
 Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
 1927, p. 38, pl. 22, figs. 3, 6
 E. end of Punta Sabanas Altas, Dist. of Zamora, St. of Falcón,
 Ven. Pliocene

- 21973 **Pecten (Amusium) zamorensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
p. 38, pl. 22, fig. 5
E. end of point at Sabanas Altas, Dist. of Zamora, St. of Falcón,
Ven. Pliocene
- 24605 **Pecten ziczac** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 47, pl. 5, fig. 26
Six fm. off Sanibel, Lee Co., Fla. Recent
- 146 **Pectunculus idoneus** Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 49, pl. 8, fig. 6
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 147 **Pectunculus idoneus** Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 49, pl. 8, figs. 5, 5a
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle
or upper Wilcox [Sabine] gr., lower Eocene
- Pectunculus** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 53, pl. 4, fig. 3 (lost prior
to 1937)
Alabama Midway gr., Paleocene
- 24989 **Pedalion (?Mytiloperna)** sp. Figured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 50, pl. 3, fig. 5
Four km. N. of Tombo, Angola upper Burdigalian Mio-
cene
- 4871 **Pedalion woodsi** (Olsson) Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 37
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian See *Melina woodsi* Olsson
- 1616 **Pelecypora hatchetigbeensis** (Aldrich) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 58, pl. 6, fig. 6
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 1617 **Pelecypora hatchetigbeensis** (Aldrich) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 58, pl. 6, fig. 13
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 458 **?Pentagonia gemmisulcata** Caster Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 71, pl. 7, figs. 11, 11a (cast)
(cast made subsequent to 1939)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5410A **Pentagonia gemmisulcata** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 172, pl. 10, fig. 16 (external
dorsal mold)

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5410B **Pentagonia gemmisulcata** Caster Holotype
 Caster, B.A.P., v. 24, No. 83, 1939, p. 172, pl. 10, fig. 17
 (cast missing 1956)
 Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 24974 **Pereiraea africana** H. Douvillé Hypotype
 Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 38, pl. 1, fig. 4
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24975 **Pereiraea africana** H. Douvillé Hypotype
 Dartevelle and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 38, pl. 1, fig. 5
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- Periploma claibornense** Lea Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 180, pl. 55, fig. 1 (lost prior to 1937)
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 1263 **Periploma collardi** Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 180, pl. 55, fig. 3
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1264 **Periploma collardi** Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 180, pl. 55, fig. 4
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1265 **Periploma collardi** Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 180, pl. 55, fig. 5
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 4394 **Periploma ?collardi** Harris "var." Hypotype
 Harris, and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 110, pl. 23, fig. 33
 White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
 "Scutella bed", lower Jackson gr., upper Eocene
- 1266 **Periploma collardi australina** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 181, pl. 55, figs. 6, 7
 Orangeburg, Orangeburg Co., S. C. McBean fm., upper Claiborne gr., middle Eocene

- 1267 **Periploma collardi australina** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 181, pl. 55, fig. 8
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 4393 **Periploma collardi turgida** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 110,
pl. 23, figs. 19-21
Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 24624 **Periploma inaequivalve** Schumacher Representative specimen
Perry and Schwengel, 1955, p. 56, pl. 8, fig. 46
Sanibel, Lee Co., Fla. Recent
- 4107 **Periploma lucina** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 32, pl. 3, fig. 4 (not 5007
as in text)
Río Guanabanon, Chiriquí Prov., Pan. Armuelles fm.,
Pleistocene
- 4818 **Periploma nermeta** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 44, pl. 3, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 24000 **Periploma venezuelana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, p. 7, pl. 1,
fig. 1
N. 2.5 km. and E. 500 m. from Urumaco, Dist. of Democracia,
St. of Falcón, Ven. upper middle Miocene
- 24001 **Periploma venezuelana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 7,
pl. 1, figs. 2, 8
N. 2.5 km. and E. 500 m. from Urumaco, Dist. of Democracia,
St. of Falcón, Ven. upper middle Miocene
- 24003 **Periploma venezuelana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 7,
pl. 1, fig. 6
N. 2.5 km. and E. 500 m. from Urumaco, Dist. of Democracia,
St. of Falcón, Ven. upper middle Miocene
- 24002 **Periploma venezuelana wiedenmayeri** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 7,
pl. 1, figs. 3, 5, 7
S. 2 km. and E. 600 m. from La Campana (La Campana is 11.5
km. E. and 2 km. S. of Urumaco), Dist. of Democracia, St. of
Falcón, Ven. lower middle Miocene
- 21017 **Peristernia insula** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 110, pl. 8, fig. 11
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21019 **Peristernia tortugera** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 110, pl. 8, fig. 13

- Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 24734 **Peristichia toreta** Dall Representative specimen
Perry and Schwengel, 1955, p. 120, pl. 23, fig. 160
Sanibel, Lee Co., Fla. Recent
- 52 **Perna cornelliana** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 48, pl. 3, fig. 2
R.R. cut, 1 $\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 53 **Perna cornelliana** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 48, pl. 3, fig. 3
R.R. cut, 1 $\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 3473 **Perna solereperta** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 33, pl. 8, fig. 8
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff gr., upper lower Miocene
- 3817 **Peronella caribbeana** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 52, pl. 5, figs. 7-9
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba upper Eocene
Type species of *Weisbordella* Durham, 1954
- 3816 **Peronella cubae** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 53, pl. 5, figs. 4-6
In rd. cut at Loma Calisto, about 800 m. SW. of Nuevitas on rd. to Belen, Camagüey Prov., Cuba upper Eocene
- 3815 **Peronella quinquenodulata** Weisbord Holotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 50, pl. 5, figs. 1-3
In R.R. cut about 2 km. SE. of Nuevitas R.R. station, Camagüey Prov., Cuba upper Eocene
- 20168 **Peroniceras cf. moureti** de Grossouvre Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, figs. 4, 5
Upstream 190 m. from La Luna-La Sierra contact, Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 3447 **Perplicaria prior** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 17, pl. 4, fig. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3444 **Persicula calhounensis** Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 16, pl. 4, fig. 5
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3444a **Persicula calhounensis** Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 16 (5 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene

- 3445 **Persicula dryados** Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 16, pl. 4, fig. 6
 Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
 Bluff gr., upper lower Miocene
- 3445a **Persicula dryados** Maury Paratypes
 Maury, B.A.P., v. 4, No. 21, 1910, p. 15 (5 specimens)
 Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum
 Bluff gr., upper lower Miocene
- 3280 **Persicula (Bullata) larvata** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 420, pl. 67, figs. 21, 22
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3281 **Persicula (Bullata) larvata** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 420, pl. 67, fig. 23
 Indian Mound, 3 mi. E. of Newton, on the A. and V. R. R.
 Newton Co., Miss. Cook Mt. fm., upper Claiborne gr.,
 middle Eocene
- 3270 **Persicula (Bullata) plicata** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 426, pl. 67, fig. 5
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3271 **Persicula (Bullata) plicata** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 426, pl. 67, fig. 8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3273 **Persicula (Bullata) semen** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 18
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3274 **Persicula (Bullata) semen** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 17
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 3275 **Persicula (Bullata) semen** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 13; Harris
 and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 406, pl. 62,
 fig. 12
 Locality lost Jackson gr. upper Eocene
- 3276 **Persicula (Bullata) semen** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 14; Harris
 and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 406, pl. 62,
 fig. 11
 Locality lost Jackson gr., upper Eocene
- 3278 **Persicula (Bullata) semen** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 19
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 3279 **Persicula (Bullata) semen** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 422, pl. 67, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4789 **Persicula (Bullata) semen** (Lea) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 406,
pl. 62, fig. 19
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 3272 **Persicula (Bullata) semen exilarata** (de Gregorio) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 425, pl. 67, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3277 **Persicula (Bullata) semen minima** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 424, pl. 67, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4817 **Peruarca pectunculoides** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 33, pl. 3, figs. 6, 7
Tortuga, coast of Paíta Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
Type species of *Peruarca* Olsson, 1944
- 20174 **Perucerrithium** sp. Figured specimen
Sutton, A.A. P.G., v. 30, No. 10, 1946, p. 1661, pl. 7, fig. 3
N. side of road between Puente Gomez and Casa del Zinc, 700
m. W. of junc. with road to Chejendé, Carache R. Valley, Dist.
of Carache, St. of Trujillo, Ven. Trujillo fm., middle
Eocene
- 2067 **Peruchilus culberti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 91, pl. 14, fig. 8
Two mi. NE. of Sullana, Chira Valley, Dept. of Piura, Peru
Bowl ss., Mancora fm., middle Oligocene
- 2071 **Peruchilus culberti** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 91, pl. 14, fig. 12
About 2 mi. NE. of Sullana, Chira Valley, Dept. of Piura, Peru
Bowl ss., Mancora fm., middle Oligocene
Type species of *Peruchilus* Olsson, 1931
- 2072 **Peruchilus culberti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 91, pl. 14, fig. 13
About 2 mi. NE. of Sullana, Chira Valley, Dept. of Piura, Peru
Bowl ss., Mancora fm., middle Oligocene
- 3897 **Peruficus lagunitensis** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 26, pl. 8, fig. 11
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
Type species of *Peruficus* Olsson, 1929
- 24289 **Peruficus lagunitensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 73, pl. 12, fig. 7

- Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24290 **Peruficus lagunitensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 73, pl. 12, fig. 8
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24293 **Peruficus lagunitensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 73, pl. 12, fig. 5
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 2100 **Peruficus lagunitensis charanalensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 111, pl. 17, fig. 10
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 2101 **Peruficus lagunitensis charanalensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 111, pl. 17, fig. 11
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 2103 **Peruficus lagunitensis charanalensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 111, pl. 17, fig. 13
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru Mancora fm., middle
Oligocene
- 4940 **Peruostrombus (Orthostrombus) tortugensis** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 95, pl. 14, figs. 5, 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
Type species of *Orthostrombus* Olsson, 1944
- 4939 **Peruostrombus wheeleri** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 94, pl. 14, figs. 1-3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
Type species of *Peruostrombus* Olsson, 1944
- 3752 **Peruvia gerthi** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 73, pl. 9, figs. 1, 2
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian-upper Albian
See *Peruviella gerthi* Olsson, B.A.P., v. 28, No. 111, 1944, p. 6
n.n.
- 3753 **Peruvia gerthi** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 73, pl. 9, fig. 3 (2
pieces)
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian-upper Albian
Type species of *Peruvia* Olsson, 1934
See *Peruviella gerthi* Olsson, B.A.P., v. 28, No. 111, 1944, p. 6,
n.n.

- 24404 **Peruviastrea peruviana** Vaughan Hypotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 16, pl. 2, figs. 5, 5a
Near Negritos, Dept. of Piura, Peru basal Salina* fm.,
lower Eocene
- 24405 **Peruviastrea peruviana** Vaughan Hypotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 16, pl. 2, fig. 5b (slide)
Near Negritos, Dept. of Piura, Peru basal Salina* fm.,
lower Eocene
- 24755 **Petalocochus irregularis** (d'Orbigny) Representative specimen
Perry and Schwengel, 1955, p. 136, pl. 26, fig. 182
Bayside, Sanibel, Lee Co., Fla. Recent
- 22975 **Petalocochus omingensis** Sowerby Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 36, pl. 8, fig. 15
Tuberá, near Pto. Colombia, Piedras de Afilar, Dept. of
Atlántico, Col. Miocene
- 21109 **Petalocochus sculpturatus** H. C. Lea Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 146, pl. 14, fig. 10
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21114 **Petalocochus sculpturatus** H. C. Lea Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 146, pl. 14, fig. 15
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 1078 **Petalocochus sculpturatus domingensis** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 226, pl. 41, fig. 2
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1080 **Petalocochus sculpturatus domingensis** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 226, pl. 41, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1083 **Petalocochus sculpturatus domingensis** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 226, pl. 41, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 22877 **Petalocochus sculpturatus domingensis** Sowerby Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 72, pl. 38, fig. 10
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 883 **Petricola caroniana** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 122, pl. 20, fig. 16

Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

- 3505 **Petricola (Claudiconcha) grinnelli** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 16, pl. 4, figs. 7-10
James R., 5 mi. N. of Smithfield, Nansemond Co., Va.
Yorktown fm., upper Miocene
- 24672 **Petricola lapicida** (Gmelin) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 69, pl. 15, fig. 93; Perry and Schwengel, 1955, p. 75, pl. 15, fig. 93
Six-seven fm. off Sanibel, Lee Co., Fla. Recent
- 5843 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 5844 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 5845 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117, pl. 8, fig. 15
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 5846 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 5847 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117, pl. 9, fig. 13
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 5848 **Petryoceras thyestes** (Hall) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 117; missing in 1956
Taughannock Falls, Tompkins Co., N. Y. Sherburne ss., Upper Devonian
- 3478 **Phacoides actinoides** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 35, pl. 9, fig. 4
Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff gr., upper lower Miocene
- 21341 **Phacoides (Parvilucina) actinus** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 224, pl. 32, fig. 24
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 21354 **Phacoides actinus uscarensis** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 12, pl. 2, fig. 1

Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene

- 21356 **Phacoides actinus uscarensis** Palmer Syntype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 12, pl. 2, fig. 3 (lost prior to 1937)
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene
- 24166 **Phacoides (Here) andersoni** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 24, pl. 2, fig. 5
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
See *Lucina (Illesca) andersoni* (Olsson)
- 24167 **Phacoides (Here) andersoni** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 24, pl. 2, fig. 6 (broken prior to 1956)
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
See *Lucina (Illesca) andersoni* (Olsson)
- 24168 **Phacoides (Here) andersoni** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 24, pl. 2, fig. 7
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
See *Lucina (Illesca) andersoni* (Olsson)
- 14915 **Phacoides anodonta** (Say) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co., Va. Yorktown fm., upper Miocene
- 14954 **Phacoides anodonta** (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 10 ft. up bank, upper beach, James City Co., Va. Yorktown fm., upper Miocene
- 21323 **Phacoides (Lucinisa) bocasensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 223, pl. 32, fig. 6
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 3858 **Phacoides (Miltha) conventus** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 9, pl. 3, fig. 3
Quebrada Conventus, between La Breita and Fernandez in upper Mancora Valley, Dept. of Tumbes, Peru Restin fm., middle Eocene
- 21322 **Phacoides (Lucinisa) costaricensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 222, pl. 32, fig. 5
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 14940 **Phacoides (Lucinisa) cribrarius** (Say) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307

Carter's Grove, lower end of beach, base of bank, James City Co., Va. Yorktown fm., upper Miocene

- 3479 **Phacoides (Bellucina) nereidideditus** Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 36, pl. 9, fig. 5
 Oak Grove, Okaloosa Co., Fla. Oak Grove sd., Alum Bluff, gr., upper lower Miocene
- 24169 **Phacoides (Here) nonurensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 25, pl. 2, fig. 8
 Nonura Bay, Sechura, Dept. of Piura, Peru Saman fm., upper Eocene
- 3477 **Phacoides prunoides** Maury Lectotype*
 Maury, B.A.P., v. 4, No. 21, 1910, p. 35, pl. 9, fig. 3
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3477a **Phacoides prunoides** Maury Paratype
 Maury, B.A.P., v. 4, No. 21, 1919, p. 35
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola R., Alum Bluff gr., lower Miocene
- 21333 **Phacoides (Callucina) radians medioamericanus** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 221, pl. 32, fig. 16
 Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 977 **Phacoides (Luciniscia) roigi** Maury Holotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 167, pl. 29, fig. 6
 Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I. Matura fm., Pliocene
- 24160 **Phacoides (?Pseudomiltha) sp.** Figured specimen
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 22, pl. 1, fig. 5
 Quebrada Monte Grande near base of Amotape Mts., Dept. of Piura, Peru middle Eocene
- 3484 **Phacoides (Pseudomiltha) wongi** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 19, pl. 1, fig. 2
 Upper bed at Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla. Shoal R. fm., Alum Bluff gr., middle Miocene
- 24170 **Phacoides (Miltha) woodi** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 23, pl. 2, fig. 9
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24173 **Phacoides (Miltha) woodi** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 23, pl. 2, fig. 12
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 1970 **Phacoides (Lucinoma) zapotalensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 49, pl. 5, fig. 2
 Near Zapotal, SW. Ecu. Mambri shales, Oligocene

- 1972 **Phacoides (Lucinoma) zapotalensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 49, pl. 5, fig. 5
Near Zapotal, SW. Ecu. Mambri shales, Oligocene
- 21790 **Phacops? argentinus** Thomas Hypotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 30, pl. 7, figs. 6, 7
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5405 **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 7
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5452 **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, figs. 1, 2
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5452A **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5456 **?Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, figs. 14, 15
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5458 **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 8
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5458A **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, figs. 9, 10
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5458B **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, figs. 11-13
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5476 **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5478 **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181, pl. 14, fig. 16
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5478A **Phacops cf. salteri** Kozłowski Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 181
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 2967 **Phalium brevicostatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 248, pl. 31, fig. 4
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2968 **Phalium brevicostatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 248, pl. 31, fig. 9
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2969 **Phalium brevicostatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 248, pl. 31, fig. 11
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4638 **Phalium brevicostatum creolum** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 328,
pl. 42, figs. 7, 8
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 24780 **Phalium granulatum** (Born) Representative specimen
Perry and Schwengel, 1955, p. 149, pl. 29, fig. 208
Sanibel, Lee Co., Fla. Recent
- 4639 **Phalium taitii johnsoni** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 328,
pl. 42, fig. 12
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4640 **Phalium taitii johnsoni** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 328,
pl. 42, fig. 13 (fragment)
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- Pholadomya claibornensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 197, pl. 59, fig. 7 (lost
prior to 1937)
Claiborne Bluff Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Pholadomya claibornensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 197, pl. 59, fig. 8 (lost
prior to 1937)

- Claiborne Bluff Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- Pholadomya claibornensis** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 197, pl. 59, fig. 10 (lost
prior to 1937)
Claiborne Bluff Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21992 **Pholadomya falconensis** F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 44, pl. 26, fig. 6
Near La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 21993 **Pholadomya falconensis** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 44, pl. 27, figs. 1, 2
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 3731 **Pholadomya haughti** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 37, pl. 5, fig. 2, *haughti sic*
error
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 73 **Pholadomya mauryi** Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 71, pl. 6, figs. 17, 17a
Hannah's $1\frac{3}{4}$ mi. N. of Crainesville, Hardeman Co., Tenn.
Midway gr., Paleocene
- 1001 **Pholadomya sawkinsi** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 181, pl. 31, fig. 10
Machapoorie quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 999 **Pholadomya walli** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 180, pl. 31, figs. 8, 11
Guaico-Tamana rd. quarry, SW. St. Andrew Co., Trinidad,
W. I. Machapoorie mem., Manzanilla fm., Miocene
- 183 **Pholas alatoidea** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 69, pl. 13, fig. 15
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 184 **Pholas alatoidea** Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 69, pl. 13, fig. 15a
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 5454 **Pholidops florestae** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 16, pl. 1, fig. 3 (specimen
broken prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5454A **Pholidops florestae** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 16, pl. 1, figs. 1, 2
(missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 21025 **Phos beteyensis** Olsson Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 122, pl. 9, fig. 6
Río Betey, Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 24091 **Phos buchivacoensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 33,
pl. 16, figs. 1, 4
Due S. 13 km. from Dabajuro and 1.4 km. N. of Hato Guayabo,
Dist. of Buchivacoa, St. of Falcón, Ven. upper middle
Miocene
- 24094 **Phos (Antillophos) cocoditoensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 35,
pl. 17, figs. 2, 3
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 24095 **Phos (Antillophos) cocoditoensis** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 35,
pl. 17, fig. 4
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 24088 **Phos codorensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 33,
pl. 15, figs. 1, 2
In Río Codore, 4.65 km. N. and 550 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24092 **Phos democraciensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 34,
pl. 16, figs. 2, 3
In Río Codore, 5.4 km. N. and 600 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 21030 **Phos elegans limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 119, pl. 9, fig. 12
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21031 **Phos elegans limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 119, pl. 9, fig. 13
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21035 **Phos estrellensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 120, pl. 9, figs. 17, 18
Estrella R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 24096 **Phos falconensis** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 34,
 pl. 17, figs. 6, 7
 Quebrada Sarura, NE. of Guaidima, Dist. of Acosta, St. of
 Falcón, Ven. upper Oligocene or lower Miocene
- 21023 **Phos gatunensis** Toulà Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 117, pl. 9, fig. 4
 Gatun, C. Z. Gatun fm., middle Miocene
- 21024 **Phos gatunensis** Toulà Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 117, pl. 9, fig. 5
 Gatun, C. Z. Gatun fm., middle Miocene
- 20467 **Phos haughti** Marks Holotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 114, pl. 7, fig. 9
 Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
 Daule fm., middle Miocene
- 20468 **Phos haughti** Marks Paratypes
 Marks, B.A.P., v. 33, No. 139, 1951, p. 114
 Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua.
 Daule fm., middle Miocene
- 2286 **Phos (?Antillophos) hodsoni** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 174, pl. 18, fig. 4
 Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
 ritos fm., lower Miocene
- 2294 **Phos (?Antillophos) hodsoni** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 174, pl. 18, fig. 12
 Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
 ritos fm., lower Miocene
- 24083 **Phos maracaibensis wiedenmayeri** F. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
 30, pl. 13, figs. 1, 2
 In Río Codore, N. 4.9 km. and W. 380 m. from Urumaco, Dist. of
 Democracia, St. of Falcón, Ven. Miocene
- 24084 **Phos maracaibensis wiedenmayeri** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 30,
 pl. 13, fig. 3
 In Río Codore, N. 4.9 km. and W. 380 m. from Urumaco, Dist. of
 Democracia, St. of Falcón, Ven. Miocene
- 24085 **Phos maracaibensis wiedenmayeri** F. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 30,
 pl. 13, fig. 4
 In Río Codore, N. 4.9 km. and W. 380 m. from Urumaco, Dist. of
 Democracia, St. of Falcón, Ven. Miocene
- 21034 **Phos metuloides** Dall Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 122, pl. 9, fig. 16
 Mt. Hope, C. Z. Gatun fm., middle Miocene
- 21028 **Phos mexicanus** Böse Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 117, pl. 9, fig. 10

- Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21029 *Phos mexicanus* Böse Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 117, pl. 9, fig. 11
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21027 *Phos moorei costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 118, pl. 9, figs. 8, 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24093 *Phos (Antillophos) paraguayensis* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
36, pl. 17, figs. 1, 5
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene
- 2305 "*Phos*" *phosoides* (Hanna and Israelsky) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 176, pl. 20, fig. 4
Bayovar, Dept. of Piura, Peru Montera fm., lower
Miocene
- 4058 *Phos (Antillophos) rutschi* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 73, pl. 9, fig. 5
Quebrada Peñitas, Puntarenas Prov., C. R. Charco
Azul fm., Pliocene
- 21033 *Phos subsemicostata* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 121, pl. 9, fig. 15
Saury Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 20466 *Phos* cf. *tuberaensis* Anderson Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 113, pl. 7, fig. 2
Las Masas sec., NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 24086 *Phos tuberaensis urumacoensis* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 31,
pl. 14, figs. 1, 2
In Río Codore, 4.9 km. N. and 380 km. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 21021 *Phos veatchi* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 121, pl. 9, fig. 2
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21022 *Phos veatchi* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 121, pl. 9, fig. 3
Hill 1a, Banana R., Limon Prov., C. R. Gatun fm.,
middle Miocene
- 24089 *Phos venezuelensis* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 31,
pl. 15, figs. 3, 6

One km. E. and 200 m. N. of Hato Guayabo (Hato Guayabo is 14 km. S. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven.
upper middle Miocene

- 24090 **Phos venezuelensis** F. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 31, pl. 15, figs. 4, 5
One km. E. and 200 m. N. of Hato Guayabo (Hato Guayabo is 14 km. S. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven.
upper middle Miocene
- 24087 **Phos venezuelensis riocodorensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 32, pl. 14, figs. 3, 4
In Río Codore, 4.9 km. N. and 380 km. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
upper middle Miocene
- 2293 **Phos (Antillophos) woodringi** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 173, pl. 18, fig. 11
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 20142 **Phymosoma cf. texanum** (Roemer) Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644, pl. 4, fig. 9
W. bank Río Cogolla 925 m. downstream from junc. with Río Seco, Dist. of Perijá, St. of Zulia, Ven. Apón fm., middle Cretaceous
- 24598 **Pinctada radiata** (Leach) Representative specimen
Perry and Schwengel, 1955, p. 41, pl. 4, fig. 18
Sanibel, Lee Co., Fla. Recent
- 474 **Pinna cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 16, fig. 12
Five mi. N. Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 475 **Pinna cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 17, fig. 1
Five mi. N. Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 476 **Pinna cawcawensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 17, fig. 2
Five mi. N. Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 470 **Pinna grvida** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 16, fig. 8
St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 471 **Pinna grvida** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 16, fig. 9
St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 472 *Pinna gravida* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 16, fig. 10
St. Maurice, Winn Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 473 *Pinna gravida* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 30, pl. 16, fig. 11
St. Maurice, Winn Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 4185 *Pinna (Atrina) jacksoniana* (Dall) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pl. 1, 1946, p. 39,
pl. 10, fig. 5
Wooley's Bluff, Bayou Toro region, Sabine Pa., La.
lower Jackson gr., upper Eocene
- 4186 *Pinna (Atrina) jacksoniana* (Dall) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 39,
pl. 10, fig. 6
Wooley's Bluff, Bayou Toro region, Sabine Pa., La.
lower Jackson gr., upper Eocene
- 24462 *Pinna quadrata* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 12, pl. 6, fig. 2
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24463 *Pinna quadrata* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 12, pl. 6, fig. 3
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24464 *Pinna quadrata* Dall Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 12, pl. 6, fig. 4
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 191 *Pinna* sp. Figured specimen
Harris, B.A.P., v. 2, No. 9, 1897, p. 46, pl. 7, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 24663 *Pitar albida* (Gmelin) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 65, pl. 14, fig. 83
Sanibel, Lee Co., Fla. Recent
See *Pitar simpsoni* (Dall) P.R.I. 24663
- 4096 *Pitar (Lamelliconcha) anona* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 37, pl. 5, fig. 1
Río Guanabano, 3 mi. upstream from mouth, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 24502 *Pitar* cf. *cornelli* Harris Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 4
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene

- 24503 **Pitar cf. cornelli** Harris Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 5
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24664 **Pitar fulminata** (Menke) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 65, pl. 14, fig. 84; Perry
and Schwengel, 1955, p. 72, pl. 14, fig. 84
Four fm. off Sanibel, Lee Co., Fla. Recent
See *Pitar simpsoni* (Dall) P.R.I. 24664
- 20435 **Pitar (Pitarella) gatunensis multifilosus** (Dall) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 78, pl. 5, fig. 2
N. of Paján, Central Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 4095 **Pitar (Lamelliconcha) mellisa** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 37, pl. 5, fig. 4
Quebrada Mellisa, 11 km. S. of Puerto Armuelles, Chiriquí
Prov., Pan. Charco Azul fm., Pliocene
- 25338 **Pitar morrhuana** (Linsley) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 6
Shakelford Banks, Beaufort, Carteret Co., N. C. Recent
- 24499 **Pitar cf. nuttali** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 1
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24500 **Pitar cf. nuttali** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 2
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 1876- **Pitar quimbrizensis** Caster Paratypes
1877 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 21
Near mouth of Luculo R., Quimbriz, Angola (locs. 1 and 3)
Quimbriz fm., Eocene [Miocene, Darteville and Roger
1954]
- 1878 **Pitar quimbrizensis** Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 21,
pl. 4, figs. 11, 12
Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc.
S 1) Quimbriz fm., Eocene [Miocene, Darteville and
Roger, 1954]
- 1881 **Pitar quimbrizensis** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 21,
pl. 4, fig. 13 (missing prior to 1939)
Just N. of mouth of Luculo R. (green sands) Quimbriz, Angola
(loc. S2) Quimbriz fm., Eocene [Miocene, Darteville and
Roger, 1954]

- 1838 **Pitar quipayensis** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20,
 pl. 1, fig. 8
 Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
 (loc. S2) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1839 **Pitar quipayensis** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20.
 About 5 km. N. of mouth of Luculo R., near Quipaya, Angola
 (loc. S 4) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1862 **Pitar quipayensis** Caster Holotype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20,
 pl. 4, figs. 3-5
 About 5 km. N. of mouth of Luculo R., and S. of Cabeça de
 Cobra, Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
 [Miocene, Darteville and Roger, 1954]
- 1863 **Pitar quipayensis** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20,
 pl. 5, fig. 1
 Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
 (loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
 and Roger, 1954]
- 1864 **Pitar quipayensis** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20,
 pl. 4, fig. 10
 Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
 (loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1865- **Pitar quipayensis** Caster Paratypes
 1875 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 20
 Cliffs just N. of mouth of Luculo R., near Quimbriz, Angola
 (loc. S 1) Quimbriz fm., Eocene [Miocene, Darteville
 and Roger, 1954]
- 4345 **Pitar securiformis** (Conrad) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 94,
 pl. 21, fig. 1
 Moodys Branch, Jackson, Hinds Co., Miss. Moodys
 Branch fm., lower Jackson gr., upper Eocene
- 4346 **Pitar securiformis** (Conrad) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 94,
 pl. 21, fig. 2
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4347 **Pitar securiformis** (Conrad) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 94,
 pl. 21, fig. 3
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene

- 24663 *Pitar simpsoni* (Dall) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 65, pl. 14, fig. 83; Perry
 and Schwengel, 1955, p. 72, pl. 14, fig. 83
 Sanibel, Lee Co., Fla. Recent
 See *Pitar albida* (Gmelin)
- 24664 *Pitar simpsoni* (Dall) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 65, pl. 14, fig. 84
 Four fm. off Sanibel, Lee Co., Fla. Recent
 See *Pitar fulminata* (Menke)
- 20177 ?*Pitar* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1661
 N. side of road between Puente Gomez and Casa del Zinc, 700
 m. W. of junc. with road to Chejendé, Carache R. Valley,
 Dist. of Carache, St. of Trujillo, Ven. Trujillo fm.,
 middle Eocene
- 20218 *Pitar* sp. Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
 Well Icotea No. 4. depth 1114-1132 ft., Bolívar Coastal Field,
 Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
 Miocene
- 20434 *Pitar* (*Lamelliconcha*) sp. Figured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 77, pl. 5, figs. 4, 7
 S. of Progreso, Progreso Basin, Guayas Prov., SW. Ecu.
 Progreso fm., middle Miocene
- 20434a *Pitar* (*Lamelliconcha*) sp. Unfigured specimen
 Marks, B.A.P., v. 33, No. 139, 1951, p. 77
 S. of Progreso, Progreso Basin, Guayas Prov., SW. Ecu.
 Progreso fm., middle Miocene
- 24504 *Pitar* cf. *subimpressa* (Conrad) Hypotype
 Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 6
 Georgia Lime Rock quarry about 4 mi. from Perry, Houston
 Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24505 *Pitar* cf. *subimpressa* (Conrad) Hypotype
 Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 7
 Georgia Lime Rock quarry, Near Perry, Houston Co., Ga.
 "Ocala ls.", Jackson gr., upper Eocene
- 24506 *Pitar* cf. *subimpressa* (Conrad) Hypotype
 Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, fig. 8
 Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
 ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 20431 *Pitar* (*Lamelliconcha*) *thompsoni* Marks Paratype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 74
 Six mi. E. of Colon on Boyd-Roosevelt highway, Pan.
 Gatun fm., middle Miocene
- 4348 *Pitar trigoniata* (Lea) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 95,
 pl. 21, figs. 4, 5

Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene

- 24501 *Pitar trigoniata* (Lea) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 22, pl. 11, figs. 3, 9
U. S. Route 41, 2.9 mi. S. of Perry, Houston Co., Ga.
"Ocala ls.", Jackson gr., upper Eocene
- 20432 *Pitar (Lamelliconcha) zacachunensis* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 76, pl. 4, fig. 2; pl. 5,
fig. 6
Zacachún corehole, depth 130-140 ft., Progreso Basin, Guayas
Prov., SW. Ecua. upper Subibaja fm., lower Miocene
- 20433 *Pitar (Lamelliconcha) zacachunensis* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 76
Zacachún corehole, depth 35-45 ft., Progreso Basin, Guayas
Prov., SW. Ecua. lower Progreso fm., middle Miocene
- 2222 *Pitaria (Hysteroconcha) aequicincta* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 110, pl. 9, fig. 6
Punta Picos, Dept. of Tumbes, Peru upper Zorritos
fm., lower Miocene
- 2235 *Pitaria (Hysteroconcha) aequicincta* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 110, pl. 11, fig. 5
Punta Picos, Dept. of Tumbes, Peru upper Zorritos,
lower Miocene
- 2237 *Pitaria (Hysteroconcha) aequicincta* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 110, pl. 11, fig. 7
Punta Picos, Dept. of Tumbes, Peru upper Zorritos,
lower Miocene
- 338 *Pitaria (Rhabdopitaria) astartoides* (Gardner) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 27, pl. 6, fig. 1
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene
- 339 *Pitaria (Rhabdopitaria) astartoides* (Gardner) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 27, pl. 6, fig. 4
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene
- 341 *Pitaria (Rhabdopitaria) astartoides* (Gardner) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 27, pl. 6, fig. 3
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene
- 342 *Pitaria (Rhabdopitaria) astartoides* (Gardner) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 27, pl. 6, fig. 5
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene

- 343 *Pitaria* (*Rhabdopitaria*) *astartoides* (Gardner) Hypotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 27, pl. 6, fig. 6
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene
- 2026 *Pitaria* (*Lamelliconcha*) *ayabaca* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 58, pl. 10, fig. 8
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2027 *Pitaria* (*Lamelliconcha*) *ayabaca* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 58, pl. 10, fig. 9
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24162 *Pitaria* (*Lamelliconcha*) *baldryi* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 27, pl. 2, fig. 1
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24163 *Pitaria* (*Lamelliconcha*) *baldryi* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 27, pl. 2, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 21316 *Pitaria boucaryensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 239, pl. 31, fig. 10;
Palmer, P. A., v. 1, No. 5, 1927, p. 46, pl. 8, fig. 12 in subgenus
Lamelliconcha
Boucary Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 22831 *Pitaria buenavistana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 57, pl. 33, fig. 2
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 20305 *Pitaria buenavistana buchivacoana* H. K. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolivar Coastal
Field, Dist. of Bolívar, St. of Zulía, Ven. La Rosa fm.,
lower Miocene
- 24012 *Pitaria buenavistana buchivacoana* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 9,
pl. 3, figs. 3, 5
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua
Clara fm., upper Oligocene
- 24015 *Pitaria buenavistana buchivacoana* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
9, pl. 3, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km., SW. of Quiroz*, Dist.
of Miranda, St. of Zulía, Ven. upper Oligocene

- 22835 *Pitaria buenavistana coroana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 57, pl. 33, fig. 7
Guaibacoa, SE. of La Vela de Coro, Dist. of Colina, St. of Falcón, Ven. middle Miocene
- 1622 *Pitaria (Lamelliconcha) calcanea* Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 44, pl. 8, fig. 25
Mint Spring Bayou, Vicksburg, Warren Co., Miss.
Vicksburg gr., middle Oligocene
- 1626 *Pitaria (Hyphantosoma) carbasea* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 56, pl. 10, fig. 4
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1630 *Pitaria (Hyphantosoma) carbasea* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 56, pl. 10, fig. 13
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 1631 *Pitaria (Hyphantosoma) carbasea* (Guppy) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 56, pl. 10, fig. 14
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East, SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 22841 *Pitaria carbasea lavelana* H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 58, pl. 34, fig. 6
Between La Vela and Taratara, Dist. of Colina, St. of Falcón, Ven. Miocene
- 22842 *Pitaria carbasea lavelana* H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 58, pl. 34, fig. 7
Between La Vela and Taratara, Dist. of Colina, St. of Falcón, Ven. Miocene
- 953 *Pitaria catharinae* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 148, pl. 27, fig. 4;
Palmer, P. A., v. 1, No. 5, 1929, p. 23, pl. 44, fig. 4
Ravine S. of Brasso, Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Manzanilla fm., Miocene
- 1627 *Pitaria (Hyphantosoma) centangulata* Brown and Pilsbry Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 56, pl. 10, fig. 7
Gatun Locks, C. Z. Gatun fm., middle Miocene
- 1628 *Pitaria (Hyphantosoma) centangulata* Brown and Pilsbry Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 56, pl. 10, figs. 8, 12
Gatun Locks, C. Z. Gatun fm., middle Miocene

- 2000 **Pitaria (Lamelliconcha) charanica** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 58, pl. 8, fig. 2
 Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira
 Valley, Dept. of Piura, Peru Mirador congl., Mancora
 fm., middle Oligocene
- 2003 **Pitaria (Lamelliconcha) charanica** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 58, pl. 8, fig. 5
 Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira
 Valley, Dept. of Piura, Peru Mirador congl., Mancora
 fm., middle Oligocene
- 1994 **Pitaria (Pitarella) chiraensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 56, pl. 7, fig. 7
 Chira Valley near Casa Saman, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 960 **Pitaria (Hysteroconcha) circinata** (Born) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 149, pl. 27, fig. 12
 Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
 Recent
- 961 **Pitaria (Hysteroconcha) circinata** (Born) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 149, pl. 27, fig. 13
 La Guirara, Dto. Fed., Ven. Recent
- 1763 **Pitaria (Lamelliconcha) circinata** (Born) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 48, pl. 9, fig. 10
 Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1764 **Pitaria (Lamelliconcha) circinata** (Born) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 48, pl. 9, fig. 12
 Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 1765 **Pitaria (Lamelliconcha) circinata** (Born) Hypotype
 Palmer, P. A., v. 1, No. 5, 1929, p. 48, pl. 9, fig. 15
 Monte Cristi, Monte Cristi Prov., Dom. Rep. Recent
- 21310 **Pitaria circinata** (Born) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 236, pl. 31, fig. 3
 Saury Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 21315 **Pitaria circinata** (Born) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 236, pl. 31, fig. 9
 Saury Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 24020 **Pitaria (Lamelliconcha) circinata** (Born) Hypotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
 10, pl. 4, fig. 5
 Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
 Miocene
- 24021 **Pitaria (Lamelliconcha) circinata** (Born) Hypotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
 10, pl. 4, fig. 7
 Along N. coast of St. of Falcón, Ven. Recent

- 955 *Pitaria (Hysteroconcha) circinata juncea* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 150, pl. 27, fig. 6
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 958 *Pitaria (Hysteroconcha) circinata juncea* (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 150, pl. 27, fig. 10;
Palmer, P. A., v. 1, No. 5, 1929, p. 50, pl. 9, fig. 13
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 1624 *Pitaria (Lamelliconcha) circinata mauryea* Palmer Paratype
Palmer, P. A., v. 1, No. 5, 1929, p. 50, pl. 9, figs. 8, 18
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 22833 *Pitaria colinensis* H. K. Hodson Paratype
Hodson, F., Hodson H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 56, pl. 33, fig. 4
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 22834 *Pitaria colinensis* H. K. Hodson Holotype
Hodson, F., Hodson H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 56, pl. 33, fig. 6
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 45 *Pitaria cornelli* (Harris) Holotype
Harris, B.A.P., v. 1, No. 1, 1895, p. 49, pl. 1, fig. 5; Palmer,
P. A., v. 1, No. 5, 1929, p. 16, pl. 3, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Meretrix cornelli* Harris
- 1181 *Pitaria cornelli* (Harris) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 144, pl. 46, figs. 1, 2;
Palmer, P. A., v. 1, No. 5, 1929, p. 16, pl. 3, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Meretrix cornelli* Harris
- 1591 *Pitaria cornelli* (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 16, pl. 3, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 956 *Pitaria (Hysteroconcha) dione* (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 149, pl. 27, fig. 8
Erin Point, SW. shore, S. Erin Ward, S. Central St. Patrick
Co., Trinidad, W. I. Recent
- 1599 *Pitaria eversa* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 10, pl. 4, fig. 10
Mouth of Potomac Cr., Stafford Co., Va. Aquia fm.,
Paleocene (Loeblich, *et al.*, 1957)

- 1606 **Pitaria eversa** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 10, pl. 4, fig. 21
Mouth of Potomac Cr., Stafford Co., Va. Aquia fm.,
Paleocene (Loeblich, *et al.*, 1957)
- 957 **Pitaria fulminata** (Menke) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 147, pl. 27, fig. 9
Erin Point SW. shore, S. Erin Ward, S. central S. Patrick
Co., Trinidad, W. I. Recent
- 1618 **Pitaria (Pitarella) gatunensis** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 35, pl. 7, fig. 3
Prov. of Darien, Pan. Gatun fm., middle Miocene
- 1623 **Pitaria (Pitarella) gatunensis** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 35, pl. 9, fig. 3
Gatun, C. Z. Gatun fm., middle Miocene
- 1625 **Pitaria (Pitarella) gatunensis** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 35, pl. 9, fig. 9
Gatun, C. Z. Gatun fm., middle Miocene
- 345 **Pitaria gazeleyensis** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 25, pl. 6, figs.
8, 11, 12
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co.,
Tex. upper Queen City fm., lower Claiborne gr., middle
Eocene
- 21317 **Pitaria guppyana** Gabb Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922 p. 237, pl. 31, fig. 11
Port Limon, Limon Prov., C. R. Gatun fm., middle Mio-
cene
See *Callista (Costacallista) olssoni* Palmer
- 3481 **Pitaria harrisi** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 37, pl. 9, fig. 7; Palmer,
P. A., v. 1, No. 5, 1927, p. 45, pl. 8, fig. 22 in subgenus *Lamel-
liconcha*
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 21312 **Pitaria hillii musanica** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 237, pl. 31, fig. 5; Palmer,
P. A., v. 1, No. 5, 1927, p. 46, pl. 8, fig. 31 in subgenus *Lamel-
liconcha*
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 2231 **Pitaria (Hysteroconcha) humboldtiana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 108, pl. 11, fig. 1
Quebrada Tucillal at Zorritos, Dept. or Tumbes, Peru
Tumbes* fm., upper Miocene
- 1620 **Pitaria (Lamelliconcha) imitabilis** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 43, pl. 8, fig. 6
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene

- 1621 **Pitaria (Lamelliconcha) imitabilis** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 43, pl. 8, figs. 15, 23, 33
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 340 **Pitaria juliae** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 26, pl. 6,
figs. 2, 7
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 22832 **Pitaria (Gilbertharrisella) lynei** F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 55, pl. 33, figs. 3, 5
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist.
of Perijá, St. of Zulia, Ven. Upper Cretaceous
Type species of *Gilbertharrisella* F. and H. K. Hodson, 1927
- 1989 **Pitaria (Agriopoma) mancorensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 56, pl. 7, fig. 2
Near Boca de Mancora, border between Depts. of Piura and
Tumbes, Peru Mancora fm., middle Oligocene
- 1992 **Pitaria (Agriopoma) mancorensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 56, pl. 7, fig. 5
Near Boca de Mancora, border between Depts. of Piura and
Tumbes, Peru Mancora fm., middle Oligocene
- 22821 **Pitaria (Hyphantosoma) mirandana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 57, pl. 31, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 1607 **Pitaria morrhuana** (Linsley) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 26, pl. 5, fig. 5
Beaufort, Carteret Co., N. C. Recent
- 1608 **Pitaria morrhuana** (Linsley) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 26, pl. 5, fig. 8
Beaufort, Carteret Co., N. C. Recent
- 1612 **Pitaria morrhuana** (Linsley) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 26, pl. 5, fig. 21
Beaufort, Carteret Co., N. C. Recent
- 1613 **Pitaria morrhuana** (Linsley) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 26, pl. 5, fig. 22
Beaufort, Carteret Co., N. C. Recent
- 3557 **Pitaria (Hysteroconcha) negritensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 38, pl. 8, fig. 3
Negritos, Dept. of Piura, Peru Negritos, fm.,* Paleo-
cene
- 1179 **Pitaria nuttali** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 143, pl. 45, figs. 5, 6, 7;
Palmer, P. A., v. 1, No. 5, 1929, p. 14, pl. 3, fig. 13

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Meretrix nuttali* (Conrad)
- 1180 ***Pitaria nuttali*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 143, pl. 45, fig. 8; Palmer,
P. A., v. 1, No. 5, 1929, p. 14, pl. 3, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Meretrix nuttali* (Conrad)
- 1574 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 1
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1576 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 3 (both valves)
Thomasville, Clarke Co., Ala. Wilcox [Sabine] gr.,
lower Eocene
- 1578 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1579 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1583 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1588 ***Pitaria nuttalliopsis*** (Heilprin) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 12, pl. 2, fig. 17
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1575 ***Pitaria nuttalliopsis greggi*** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 13, pl. 2, fig. 2
Sabinetown, Sabine Co., Tex. Sabinetown fm., upper
Wilcox [Sabine] gr., lower Eocene
- 1577 ***Pitaria nuttalliopsis greggi*** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 13, pl. 2, fig. 4
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1582 ***Pitaria nuttalliopsis greggi*** (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 13, pl. 2, fig. 10
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1581 ***Pitaria nuttalliopsis heilprini*** Palmer Holotype
Palmer, P. A., v. 1, No. 5, 1927, p. 14, pl. 2, fig. 8

Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 1596 **Pitaria ovata** (Rogers) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 11, pl. 4, figs. 3, 20
Newcastle, S. side Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U.S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 1597 **Pitaria ovata** (Rogers) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 11, pl. 4, fig. 4
Newcastle, S. side Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U.S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 22830 **Pitaria paraguanensis** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 56, pl. 33, fig. 1
Cantaure,* Cocodite* area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. Miocene
- 3560 **Pitaria (Hysteroconcha) parinensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 39, pl. 8, fig. 6
Keswick Hills, 4 mi. E. Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 3562 **Pitaria (Hysteroconcha) parinensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 39, pl. 8, fig. 8
Parinas Point, Dept. of Piura, Peru Parinas fm., middle
Eocene
- 2236 **Pitaria petersoni** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 109, pl. 11, fig. 6
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- 1592 **Pitaria poulsoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 15, pl. 3, figs. 9, 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1593 **Pitaria poulsoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 15, pl. 3, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1594 **Pitaria poulsoni** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 15, pl. 3, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 344 **Pitaria (Rhabdopitaria) pricei** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 28, pl. 6, fig. 9
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 346 **Pitaria (Rhabdopitaria) pricei** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 28, pl. 6, fig. 10

Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene

- 1598 **Pitaria pyga** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 11, pl. 4, fig. 9
Potomac Cr., Stafford Co., Va. Aquia fm., Paleocene
(Loeblich, *et al.*, 1957)
- 1600 **Pitaria pyga** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 11, pl. 4, fig. 11
Potomac Cr., Stafford Co., Va. Aquia fm., Paleocene
(Loeblich, *et al.*, 1957)
- 1604 **Pitaria pyga** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 11, pl. 4, fig. 17
Potomac Cr., Stafford Co., Va. Aquia fm., Paleocene
1957
- 22992 **Pitaria quirosana** H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 55, pl. 32, figs. 2, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 24013 **Pitaria rosea wiedenmayeri** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
10, pl. 3, figs. 4, 9
Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
upper Miocene
- 24016 **Pitaria rosea wiedenmayeri** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
10, pl. 3, fig. 10
N. 300 m. and E. 275 m. from Tres Personas (Tres Personas is
25 km. E. and 12.7 km. N. of Dabajuro), Dist. of Buchivacoa,
St. of Falcón, Ven. upper Miocene
- 3561 **Pitaria (Hysteroconcha) salsola** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 39, pl. 8, fig. 7
S. of Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3563 **Pitaria (Hysteroconcha) samensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 40, pl. 8, fig. 9
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3565 **Pitaria (Hysteroconcha) saponaria** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 39, pl. 8, fig. 11
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 2228 **Pitaria sapotana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 106, pl. 10, fig. 6
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene

- 1595 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 4, figs. 2, 5,
Petersburg, Dinwiddie Co., Va. "Murfreesboro" [York-
town] fm., upper Miocene
- 1601 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 4, fig. 12
Jack's Bluff, Nansemond R., Nansemond Co., Va.
Yorktown fm., upper Miocene
- 1602 *Pitari sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 4, fig. 14
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene
- 1603 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 4, fig. 15
Tar Ferry, Wiccacon Cr., Hertford Co., N. C. Yorktown
fm., upper Miocene
- 1605 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 4, fig. 18
Petersburg, Dinwiddie Co., Va. "Murfreesboro" [York-
town] fm., upper Miocene
- 1611 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 5, fig. 19
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 1614 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 5, fig. 27
Suffolk, Nansemond Co., Va. Yorktown fm., upper
Miocene
- 1615 *Pitaria sayana* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 20, pl. 5, fig. 28
Dismal Swamp, Norfolk Co., Va. Dismal swamp fm.,
Pleistocene
- 3553 *Pitaria sciaena* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 37, pl. 7, fig. 8
Restin, Dept. of Piura, Peru Pale Greda fm.,* lower
Eocene
- 3554 *Pitaria sciaena* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 37, pl. 7, fig. 9
Restin, Dept. of Piura, Peru Pale Greda fm.,* lower
Eocene
- 1584 *Pitaria securiformis* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 17, pl. 2, fig. 12
Gibsons Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 1585 *Pitaria securiformis* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 17, pl. 2, fig. 14
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene

- 1586 *Pitaria securiformis* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 17, pl. 2, fig. 15
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 1587 *Pitaria securiformis* (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 17, pl. 2, figs. 16, 20
Montgomery, Red R., Grant Par., La. Moodys Branch,
lower Jackson gr., upper Eocene
- 3566 *Pitaria (Hysteroconcha) siliqua* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 41, pl. 8, fig. 12 (missing
prior to 1937)
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 3567 *Pitaria (Hysteroconcha) siliqua* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 41, pl. 8, fig. 13
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 3568 *Pitaria (Hysteroconcha) siliqua* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 41, pl. 8, fig. 14
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 1609 *Pitaria simpsoni* (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 26, pl. 5, figs. 12, 16, 20 (both
valves)
Range: Florida and West Indies Recent
- 1610 *Pitaria subaresta* (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 24, pl. 5, figs. 13, 14
Mt. Hope, about 3 mi. S. of Colon, C. Z. Gatun fm.,
middle Miocene
- 1589 *Pitaria texacola* (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 15, pl. 2, fig. 18
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1580 *Pitaria texacola tornadonis* (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 16, pl. 2, fig. 7
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1590 *Pitaria texacola tornadonis* (Harris) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 16, pl. 2, fig. 21
Base of Claiborne Bluff, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1619 *Pitaria (Agriopoma) texasiana* (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 34, pl. 7, figs. 5, 14
Galveston, Galveston Co., Tex. Recent

- 1820 **Pitaria (Agriopoma) texasiana** (Dall) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 33, text fig. 3 (left hinge)
Gulf Coast, U.S.A. Recent
- 1191 **Pitaria (Lamelliconcha) trigoniata** (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 146, pl. 47, fig. 3; Palmer,
P. A., v. 1, No. 5, 1929, p. 41, pl. 8, fig. 27
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
See *Meretrix trigoniata* (Lea)
- 2223 **Pitaria (Pitarella) tumbezana** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 107, pl. 10, fig. 1
Sechurita, Dept. of Tumbes, Peru Cardalitos fm., middle
Miocene
- 2225 **Pitaria (Pitarella) tumbezana** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 107, pl. 10, fig. 3
Sechurita, Dept. of Tumbes, Peru Cardalitos fm., middle
Miocene
- 21319 **Pitaria vanwinkleae** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 238, pl. 32, fig. 2; Palmer,
P. A., v. 1, No. 5, 1927, p. 54, pl. 9, fig. 5 in subgenus *Lamelli-*
concha
Banana R., Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 21320 **Pitaria vanwinkleae** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 238, pl. 32, fig. 3
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 1185 **Pitaria winnensis** (Harris) Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, fig. 9; Palmer,
P. A., v. 1, No. 5, 1929, p. 212, pl. 44, fig. 17
Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
See *Meretrix trigoniata winnensis* Harris
- 1188 **Pitaria winnensis** (Harris) Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 147, pl. 46, fig. 12; Palmer,
P. A., v. 1, No. 5, 1929, p. 212, pl. 44, fig. 19
Winn Par., La. Cook Mt. fm., upper Claiborne gr.,
middle Eocene
See *Meretrix trigoniata winnensis* Harris
- 2005 **Pitaria (Lamelliconcha) wolfi** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 57, pl. 8, fig. 7
Posorja, SW. Ecua. middle Oligocene
- 2006 **Pitaria (Lamelliconcha) wolfi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 57, pl. 8, fig. 8
Posorja, SW. Ecua. middle Oligocene
- 2007 **Pitaria (Lamelliconcha) wolfi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 57, pl. 8, fig. 9
Posorja, SW. Ecua. middle Oligocene

- 2010 **Pitaria (Lamelliconecha) wolfi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 57, pl. 8, fig. 12
Posorja, SW. Ecua. middle Oligocene
- 24172 **Pitaria yasila** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 26, pl. 2, fig. 11
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 21178 **Placunanomia lithobleta** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 210, pl. 21, figs. 3, 5
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21179 **Placunanomia lithobleta** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 210, pl. 21, fig. 4
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 4086 **Placunanomia panamensis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 31, pl. 1, figs. 1, 4
Quebrada Rabo de Puerco, Chiriquí Prov., Pan.
Armuelles fm., Pleistocene
- 4087 **Placunanomia panamensis** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 31, pl. 1, fig. 5
Quebrada Rabo de Puerco, Chiriquí Prov., Pan.
Armuelles fm., Pleistocene
- 22312 **Planispirillina orbicularis** (Bagg) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, fig. 7
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22313 **Planispirillina orbicularis** (Bagg) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 351, pl. 46, fig. 8
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 20712- **Planomalina apsidostroba** Loeblich and Tappan Paratypes
20713 Loeblich and Tappan, Jour. Pal., v. 20, No. 3, 1946, p. 258.
pl. 37, figs. 22, 23; Marks, Micropal., v. 6, No. 4, 1952, p. 38
Road cut on S. side of Godley-Cleburne rd., just uphill from
bridge across Nolens R., 4.8 mi. SE. of Godley, Johnson Co.,
Tex. Main St. fm., Washita gr., Lower Cretaceous
- 20103 **"Planorbis" Llanerensis** Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 25, pl. 3, figs. 2, 3
E. Bank of Guatatal* R., E. of La Llanera, 17.1 km. N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 25138 **Planorbulina larvata** Parker and Jones Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 30, pl. 5, fig. 9
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 25471 **Planorbulinella larvata cojimarensis** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 298, p. 31, figs. 3a-c [D.K.P. slide 191.9-18 (96)]

Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25392 *Planularia cushmani* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 131, pl. 18, fig. 7 [D.K.P. slide 191.9-18 (22)]
Basal 150 ft. at NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25393 *Planularia cushmani ornata* Palmer Holotype
Palmer, D.K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940 p. 132, pl. 18, fig. 8 [D.K.P. slide 191.9-18 (25), not slide 17 as on p. 132]
Upper 280 ft. of basal marl. NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25137 *Planularia* sp. Figured specimen
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 13, pl. 5. fig. 8 (missing in 1957)
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel, Pinar del Río Prov., Cuba. Oligocene
- 25394 *Planularia torrei* Palmer Syntype
Palmer, D.K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 277, pl. 51, fig. 5 or 6 [D.K.P. slide 191.9-26 (3)] (missing prior to 1958)
S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25395 *Planularia torrei* Palmer Syntype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 277, pl. 51, fig. 5 or 6 [D.K.P. slide 191.9-26 (14)] (missing prior to 1958)
S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 20041 *Planularia woodringi* D. K. Palmer Holotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 37, pl. 1, figs. 7a, 7b Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 22414 *Planulina depressa* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22415 *Planulina depressa* (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22416 **Planulina depressa** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366, pl. 48, figs. 8a, b,
9a, b, 10a, b
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22417 **Planulina depressa** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22418 **Planulina depressa** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22419 **Planulina depressa** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22420 **Planulina depressa** (d'Orbigny) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 366, pl. 48, figs. 11a-c
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 20052 **Planulina edwardsiana canimarensis** D. K. Palmer and Bermudez Hypotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 71, pl. 1, figs. 9a-c
Road uphill (to formerly Capt. Baker's house) off of road from
Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 25127 **Planulina marialana** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 27, pl. 4, figs. 4-6
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25141 **Planulina marialana** Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 27
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25126 **Planulina matanzasensis** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 27, pl. 4, figs. 1-3
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 25142 **Planulina matanzasensis** Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 27
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 25131 **Planulina mexicana** Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 28, pl. 4, fig. 12
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene

- 6033 ***Platyceras gibralter*** Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 77, pl. 9, figs. 4-6
Caño del Oeste branch of upper Río Cachiri, Dist. of Mara-
caibo, St. of Zulia, Ven. Caño del Oeste fm., Lower-
Middle Devonian
- 5313 ***Platyceras ruedemanni*** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 91, pl. 48, figs. 4, 5
One and one-half mi. E. of Glade, Warren Co., Pa.
Oswayo fm., Conewango stage, Upper Devonian
- 6032 ***Platyceras sinistrum*** Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 77, pl. 9, figs. 3, 3a
Caño Grande branch of upper Río Cachiri, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5315 ***Platyceras* sp.** Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 7
E. of monument at Cobham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5316 ***Platyceras* sp.** Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, figs. 8, 9
E. of monument at Cobham, Warren Co., Pa. Corry
ss. ("Venango First Oil sd."), Lower Mississippian
- 5318 ***Platyceras* sp.** Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 90, pl. 48, fig. 11
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 24997 ***Platyodon klinghardti*** (J. Bohm) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 69, pl. 5, figs. 2, 3 [not *Platyodon* fide Palmer, pers.
commun. 1958]
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
See *Raetomya schweinfurthi* (Mayer-Eymar), Caster
- 24999 ***Platyodon klinghardti*** (J. Bohm) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v.
35, 1954, p. 69, pl. 5, fig. 1
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
Angola Miocene
- 4633 ***Platyoptera extenta*** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 314,
pl. 41, fig. 2
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4634 ***Platyoptera extenta*** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 314,
pl. 41, fig. 4

Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene

- 4635 **Platyoptera extenta** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 314,
 pl. 41, fig. 3
 Gopher Hill above St. Stephens, Tombigbee R., Washington
 Co., Ala. Moodys Branch fm., lower Jackson gr., upper
 Eocene
- 6031 **Platyostoma neveritanum** Weisbord Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 76, pl. 9, fig. 2
 Caño del Oeste branch of upper Río Cachirí, Dist. of Mara-
 caibo, St. of Zulia, Ven. Caño del Oeste fm., Lower-
 Middle Devonian
- 6029 **Platyostoma ventricosum** (Conrad) Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 76, pl. 8, figs. 9, 10
 Caño Grande branch of upper Río Cachirí, Dist. of Mara-
 caibo, St. of Zulia, Ven. Caño Grande fm., Lower-
 Middle Devonian
- 6030 **Platyostoma ventricosum permundum** Harris Holotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 76, pl. 8, figs. 11, 12; pl. 9, fig. 1
 Caño Grande branch of upper Río Cachirí, Dist. of Mara-
 caibo, St. of Zulia, Ven. Caño Grande fm., Lower-
 Middle Devonian
- 25073 **Plectoceras manitouense** Flower Holotype
 Flower, Jour. Pal., v. 26, No. 3, 1952, p. 515, pl. 60, fig. 17
 Sec. 34, T. 16 S., R. 69 W., NE. of Canyon City, Fremont Co.,
 Colo. Manitou dol., Canadian, Lower Ordovician
- 21696 **Plectofrondicularia mevicana** (Cushman) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 24
 Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21697 **Plectofrondicularia mexicana** (Cushman) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1937, p. 24
 Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21627 **Plectofrondicularia** sp. Figured Specimen
 Cole, B.A.P., v. 14, No. 51, 1927, p. 24, pl. 2, fig. 10
 Twelve km. W. (Nuttall, 1930) ("E.") of Potrero, near Guay-
 abal, State of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 25104 **Plectofrondicularia vaughani** Cushman Hypotype
 Hadley, B.A.P., v. 20, No. 70A, 1934, p. 15, pl. 2, figs. 5, 6
 Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
 Pinar del Río Prov., Cuba Oligocene

- 20714 **Plectofrondicularia whitei** Martin Paratype
 Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3, 1943, p. 19, pl. 5, fig. 2; Marks. Micropal., v. 6, No. 4, 1952, p. 38
 Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E., (I-S 4+8) Mt. Diablo baseline and meridian, Panoche Quadrangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 25416 **?Plectofrondicularia yumuriana** Palmer Holotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1920, p. 294, pl. 53, figs. 3, 4 [D.K.P. slide 191.9-18 (54)]
 Basal 150 ft. at NW. end of Yumurí Gorge, Mantanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 5065 **Plectorthis plicatella** Hall Hypotype
 Raymond, B.A.P., v. 3, No. 14, 1902, p. 38, pl. 19, figs. 5, 6
 Crown Point, Essex Co., N. Y. Black R. ls., Mohawkian, middle Champlainian (Middle) Ordovician
- 24271 **Plejona (Volutocorbis) sula** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 45, pl. 11, fig. 6
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24278 **Plejona (Volutocorbis) sula** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 45, pl. 11, fig. 13
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24258 **Plesiotriton paytensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 10, fig. 8
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24260 **Plesiotriton paytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 10, fig. 10
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24261 **Plesiotriton paytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 10, fig. 11
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 21597 **Pleurodictyum venezuelense** Weisbord Holotype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 6, pl. 1, figs. 8, 9
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
 See *Thamnopora venezuelensis* (Weisbord)
Pleurofusua see also *Turricula* (*Pleurofusua*)
- 2525 **Pleurofusua clabarena** Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 50, pl. 10, figs. 1, 2
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr. middle Eocene

- 2526a **Pleurofusua servata** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 50, pl. 10, fig. 4
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2526b **Pleurofusua servata** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 50, pl. 10, fig. 5
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2358 **Pleuroliria cochlearis** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 7, pl. 1, fig. 2
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2360a **Pleuroliria crenulosa** Casey "var." Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 9, pl. 1, fig. 9
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene
- 2360b **Pleuroliria crenulosa** Casey "var." Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 9, pl. 1, fig. 10
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene
- 2361 **Pleuroliria crenulosa crescens** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 9, pl. 1, fig. 11
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene
- 2359 **Pleuroliria ?subsimplis** Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 8, pl. 1, fig. 3
Red Bluff [Hiwane Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 700 **Pleuromeris aldrichi** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 95, pl. 32, figs. 26-29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1961 **Pleurophopsis lithophagoides** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 4, fig. 2
Lobos near Belen, S. of Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 1964 **Pleurophopsis lithophagoides** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 4, fig. 5
Lobos near Belen, S. of Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 1966 **Pleurophopsis lithophagoides** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 4, fig. 7
Lobos near Belen, S. of Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene

- 1968 *Pleurophopsis lithophagoides* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 44, pl. 4, fig. 9
Lobos near Belen, S. of Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 1960 *Pleurophopsis peruviana* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 43, pl. 4, fig. 1
Lomitos, Dept. of Piura, Peru Oligocene
- 1963 *Pleurophopsis peruviana* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 43, pl. 4, fig. 4
Lobos near Belen, S. of Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 21748 *Pleurostomella alternans* Schwager Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 13
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25111 *Pleurostomella alternans* Schwager Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 21, pl. 2, fig. 13
[aterans sic]
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25112 *Pleurostomella brevis* Schwager Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 21, pl. 2, fig. 14
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25113 *Pleurostomella brevis* Schwager Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 21, pl. 2, fig. 15
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 88 *Pleurotoma (Succinea) adeona* Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 76, pl. 7, fig. 9
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 89 *Pleurotoma (Succinea) adeona* Whitfield Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 76, pl. 7, fig. 10
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 2426 *Pleurotoma adolescens* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 28, pl. 4, fig. 15
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene See *Eopleurotoma adolescens* Harris
- 1909 *Pleurotoma angolae* Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 34,
pl. 7, fig. 14
Just N. of mouth of Luculo R. (green sands), Angola (loc. S 2)
Quimbriz fm., Eocene [Miocene, Darteville and Roger,
1954]

- 1911 **Pleurotoma angolae** Caster Holotype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 34,
 pl. 7, fig. 16
 From 85.7 km. from Luanda on Luanda-Malange R.R. between
 Cachari and Barraca, near Catete, Angola (loc. S 7)
 Quimbriz fm., Eocene (Miocene, Darteville and Roger, 1954)
- Pleurotoma cabinae** Caster, new name
 Caster, Jr. Pal., v. 19, No. 3, 1945, p. 319 new name for *P.*
rebecca Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938,
 p. 33 not *Pleurotoma rebecca* Harris, Acad. Nat. Sci. Phila.,
 Proc., 1895, p. 64
- 245 **Pleurotoma cainei** Harris Holotype
 (2418) Harris, B.A.P., v. 3, No. 11, 1899, p. 22, pl. 2, fig. 16;
Eopleurotoma cainei (Harris), Harris, P. A., v. 2, No. 7, 1937,
 p. 27, pl. 4, fig. 7
 Woods Bluff, Tombigbee R. Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 239 **Pleurotoma capax** Whitfield Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 18, pl. 2, fig. 9
 Greggs Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 312 **Pleurotoma carlottae** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 23, pl. 3, fig. 1
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
 See *Trypanotoma carlottae* (Harris)
- 310 **Pleurotoma denticulua** Edwards "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 12, pl. 1, fig. 21
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 311 **Pleurotoma denticula** Edwards "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 12, pl. 1, fig. 22
 Greggs Llg. Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 246 **Pleurotoma georgei** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 22, pl. 2, fig. 17
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 314 **Pleurotoma (Mangilia) infans** Meyer Hypotype
 Harris, B.A.B., v. 3, No. 11, 1899, p. 24, pl. 3, fig. 3
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 237 **Pleurotoma langdoni** Aldrich Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 17, pl. 2, fig. 6
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 92 **Pleurotoma (Surecula) longipera** Harris Holotype
 (2517) Harris, B.A.P., v. 1, No. 4, 1896, p. 78, pl. 7, fig. 15

Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R. Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
See *Orthosurcula longipera* (Harris)

- 93 ***Pleurotoma mediavia* Harris** Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 79, pl. 7, fig. 16
One mi. W. of Oak Hill P. O. Wilcox Co., Ala.
Naheola fm., upper Midway gr., Paleocene
- 307 ***Pleurotoma mediavia* Harris "var."** Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 11, pl. 1, fig. 18
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 308 ***Pleurotoma mediavia equiseta* Harris** Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 11, pl. 1, fig. 19
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 309 ***Pleurotoma moniliata* Heilprin** Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 11, pl. 1, fig. 20
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
[Sabine] gr., lower Eocene
- 236 ***Pleurotoma moorei* (Gabb)** Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 16, pl. 2, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
[Sabine] gr., lower Eocene
- 233 ***Pleurotoma nebulosa* Harris** Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 13, pl. 2, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
[Sabine] gr., lower Eocene
- 90 ***Pleurotoma* (*Surcula*) *persa* Whitfield** Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 77, pl. 7, fig. 11
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 1902 ***Pleurotoma rebecca* Caster** Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 33,
pl. 7, fig. 6
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
See *Pleurotoma cabinae* Caster, new name for *P. rebecca*
Caster, 1938
- 1903 ***Pleurotoma rebecca* Caster** Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 33,
pl. 7, fig. 7
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S. 2) Quimbroz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 238 ***Pleurotoma roscoe* Harris** Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 17, pl. 2, fig. 7

- Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 234 **Pleurotoma servatoidea** Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 15, pl. 2, fig. 3
Woods Bluff, Tombigbee R., Clarke Co. or Greggs Ldg.,
Alabama R., Monroe Co., Ala. middle or upper Wilcox
[Sabine] gr., lower Eocene
- 235 **Pleurotoma servatoidea** Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 15, pl. 2, fig. 4
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 243 **Pleurotoma silicata** Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 21, pl. 2, fig. 13; Harris,
La. Geol. Surv. Rpt., 1899, p. 304, pl. 54, fig. 1
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 240 **Pleurotoma (?) siphus** (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 19, pl. 2, fig. 10
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 91 **Pleurotoma** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 78, pl. 7, fig. 14
Dale's Branch near Oak Hill, Wilcox Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 241 **Pleurotoma terebralis** Lamarck "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 19, pl. 2, fig. 11
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 315 **Pleurotoma veatchi** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 25, pl. 3, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 5384 **Pleurotomaria floridensis** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 13, pl. 15, fig. 12
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5380 **Pleurotomaria hunterensis** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 12, pl. 17, figs. 1, 2
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5395 **Pleurotomaria hunterensis** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 12
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician

- 5396 **Pleurotomaria hunterensis** Cleland Syntype
 Cleland, B.A.P., v. 3, No. 13, 1900, p. 12, pl. 17, figs. 7, 8
 Ft. Hunter, Montgomery Co., N. Y. "Calciferous",
 Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
 vician
- 5312 **Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 3
 Stone Hill, SE. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5317 **Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 10
 Stone Hill, SE. of Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5319 **Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 12
 E. of monument at Cobham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5321 **Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 14
 Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- 5322 **Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 15
 Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
 ("Venango First Oil sd."), Lower Mississippian
- ?**Pleurotomaria** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 92, pl. 48, fig. 18 (lost
 prior to 1937)
 Locality and horizon unknown
- 21789 **Pleurotomaria venezuelensis** Weisbord Holotype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 29, pl. 7, figs. 4, 5
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 4040 **Pleurotomella (Phymorhynchus) agina** Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 56, pl. 10, fig. 10
 Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
 Pan. Charco Azul fm., Pliocene
- 313 **Pleurotomella sigma** Harris Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 23, pl. 3, fig. 2
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- Pleurotomella veatchi** Harris Holotype
 Harris, La. Geol. Surv. Rpt., 1899, p. 305, pl. 54, fig. 2 (lost
 prior to 1937)
 Pendleton, Sabine Co., Tex. or Marthaville, Natchitoches Par.,
 La. Wilcox [Sabine] gr., lower Eocene

- 87 *Pleurotomella whitfieldi* (Aldrich) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 76, pl. 7, fig. 8
One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Milway gr., Paleocene
- 25352 *Plicatula anomiodes* Keen Paratype
Keen, B.A.P., v. 38, No. 172, 1958, p. 241
Breakwater in front of Miramar Hotel, Guaymas, St. of Sonora,
Mex. Recent
- 21974 *Plicatula densata* Conrad Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 39, pl. 23, fig. 1
NE. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21977 *Plicatula densata* Conrad Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 39, pl. 23, fig. 6
NE. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21980 *Plicatula densata democraciana* F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 39, pl. 24, figs. 3, 7
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro,
N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 21981 *Plicatula densata democraciana* F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 39, pl. 24, figs. 4, 8
N. 65 m. from outcrop in 3d quebrada N. of Codore de Dentro,
N. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Pliocene
- 219 *Plicatula filamentosa* Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 41, pl. 6, fig. 9
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 411 *Plicatula filamentosa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 412 *Plicatula filamentosa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala.
sd., uppermost Claiborne gr., middle Eocene
- 413 *Plicatula filamentosa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 414 *Plicatula filamentosa* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 415 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 416 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 18, pl. 12, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4150 **Plicatula filamentosa?** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 25,
pl. 6, fig. 1
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4151 **Plicatula filamentosa** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 25,
pl. 6, fig. 1a
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 24439 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 6
Armena Lime Mines, Armena, Lee Co., Ga. "Ocala ls.",
Jackson gr., upper Eocene
- 24440 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 7
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24441 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 8
Armena Lime Mines, Armena, Lee Co., Ga. "Ocala ls.",
Jackson gr., upper Eocene
- 24442 **Plicatula filamentosa** Conrad Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 7, pl. 2, fig. 9
Armena Lime Mines, Armena, Lee Co., Ga. "Ocala ls.",
Jackson gr., upper Eocene
- 218 **Plicatula filamentosa** Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 41, pl. 6, fig. 8
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 417 **Plicatula filamentosa concentrica** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 9
Columbus, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 418 **Plicatula filamentosa concentrica** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 10
Columbus, Sabine Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene

- 419 ***Plicatula filamentosa concentrica*** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 11
Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 420 ***Plicatula filamentosa concentrica*** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 12
Columbus, Sabine Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 421 ***Plicatula filamentosa planata*** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 13
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 422 ***Plicatula filamentosa planata*** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 14
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 423 ***Plicatula filamentosa planata*** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 15
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 424 ***Plicatula filamentosa planata*** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 16
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 425 ***Plicatula filamentosa planata*** Aldrich Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 19, pl. 12, fig. 17
Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 842 ***Plicatula gibbosa*** Lamarck Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 91, pl. 11, figs. 4, 5
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 24603 ***Plicatula gibbosa*** Lamarck Representative specimen
Perry and Schwengel, 1955, p. 45, pl. 5, fig. 24
Four fm. off Sanibel, Lee Co., Fla. Recent
- 3718 ***Plicatula harrisiana*** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 33, pl. 3, fig. 2
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 3719 ***Plicatula harrisiana*** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 33, pl. 3, fig. 3
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 4149 ***Plicatula ? louisiana*** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 24, pl. 5, figs. 5, 5a (lost prior to 1957)
Upper bed, Montgomery Ldg., Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene

- 25360 ***Plicatula malembaensis*** E. Vincent Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
 1954, p. 54, pl. 2, figs. 1, 2
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
 Angola Miocene
- 25361 ***Plicatula malembaensis*** E. Vincent Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
 1954, p. 54, pl. 2, fig. 3
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
 Angola Miocene
- 14392 ***Plicatula marginata*** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, 10 ft. up bank upper beach, James City Co.,
 Va. Yorktown fm., upper Miocene
- 14960 ***Plicatula marginata*** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1957, p. 307
 Carter's Grove, base of bank lower end of beach, James City
 Co., Va. Yorktown fm., upper Miocene
- 14983 ***Plicatula marginata*** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of gravel bed, upper beach, James City Co.,
 Va. Yorktown fm., upper Miocene
- 21270 ***Plicatula marginata*** Say Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 208, pl. 28, fig. 6
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 21271 ***Plicatula marginata*** Say Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 208, pl. 28, fig. 7
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
 middle Miocene
- 47 **?*Plicatula* sp.** Figured specimen
 Harris, B.A.P., v. 1, No. 4, 1896, p. 47, pl. 2, figs. 2, 2a
 One-half mi. E. of S. McConnico's, near Palmer's Mill, S. of
 Pine Barren Cr., Wilcox Co., Ala. Clayton fm., lower
 Midway gr., Paleocene
- 20066 ***Plicifusus kröyeri*** (Möller) Hypotype
 Smith, B., P. A., v. 3, No. 19, 1945, p. 34, pl. 3, figs. 17-19
 Petite Rivière-du-Loup, Rivière-du-Loup Co., Quebec Prov.,
 Canada Quaternary
- 20067 ***Plicifusus kröyeri*** (Möller) Hypotype
 Smith, B., P. A., v. 3, No. 19, 1945, p. 34, pl. 3, figs. 20-22
 Rivière-du-Sud, St. François, Montmagny Co., Quebec Prov.,
 Canada Quaternary
 See Appendix XIII, 4, 20382 and 20383
- 4505 ***Pliciscala pearlensis*** (Meyer) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 243,
 pl. 28, fig. 18
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene

- 24612 **Pododesmus rudis** (Broderip) Representative specimen
Perry and Schwengel, 1955, p. 51, pl. 6, fig. 33
Sanibel, Lee Co., Fla. Recent
- 3905 **Pogonias multidentatus** Cope Hypotype
Smith, B., Amer. Jour. Sci., v. 28, No. 165, Art. 29, (s. 4), 1909,
p. 282, figs. 11, 12
St. Marys R., St. Marys Co., Md. St. Marys fm., middle
Miocene
- 1849 **Polinices (Neverita) angolae** Caster Holotype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, fig. 5
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1850 **Polinices (Neverita) angolae** Caster Paratype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 6, 8, 12
Just N. of mouth of Luculo R. (green sands), Quimbriz, Angola
(loc. S 2) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1851 **Polinices (Neverita) angolae** Caster Paratype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 7, 14
About 5 km. N. of mouth of Luculo R., near Quipaya, Angola
(loc. S 4) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1852 **Polinices (Neverita) angolae** Caster Paratype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 9, 13
About 5 km. N. of mouth of Luculo R., near Quipaya, Angola
(loc. S 4) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1853 **Polinices (Neverita) angolae** Caster Paratype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 10, 16
Mouth of Luculo R., Quimbriz, Angola (loc. S 3)
Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 1854 **Polinices (Neverita) angolae** Caster Paratype
Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28,
pl. 3, figs. 11, 15
About 5 km. N. of mouth of Luculo R., near Quipaya, Angola
(loc. S. 4) Quimbriz fm., Eocene [Miocene, Darteville
and Roger, 1954]
- 1855- **Polinices (Neverita) angolae** Caster Paratypes
1858 Caster, Comun. Serviços, Geol. de Portugal, v. 20, 1938, p. 28
From the mouth of Luculo R., at Quimbriz and 5 km. N. of
mouth of Quipaya, Angola (locs. S 2 and 4) Quimbriz
fm., Eocene [Miocene, Darteville and Roger, 1954]
- 2794 **Polinices aratus** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 123, pl. 13, fig. 5

Moseley's Ferry [Stone City Bluff] Brazos R., Burleson Co., Tex. Stone City bed, middle Claiborne gr., middle Eocene

- 2795 *Polinices aratus* (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 123, pl. 13, figs. 10, 12
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2796 *Polinices aratus* (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 123, pl. 13 figs. 15, 17
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2797 *Polinices aratus* (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 123, pl. 13, fig. 18
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 22987 *Polinices (Mammilla) brunneus* Link [not Linck] Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 29, pl. 9, fig. 12
Near Tuberá or Pto. Colombia, Dept. of Atlantico, Col. Miocene
- 1072 *Polinices caparonus* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 240, pl. 40, fig. 5
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad, W. I. Manzanilla fm., Miocene
- 2022 *Polinices (Lunatia) chulucanus* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 69, pl. 10, figs. 2, 3
N. of Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru Chira fm., lower Oligocene
- 2346 *Polinices coronis* (Hanna and Israesky) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 207, pl. 24, fig. 9
Quebrada Blanca, NW. Peru Variegated beds, lower Miocene
- 2343 *Polinices (Euspira) cf. dubius* (Recluz) Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 211, pl. 24, fig. 5
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru Tumbes* fm., upper Miocene
- 24741 *Polinices duplicatus* (Say) Representative specimen
Perry and Schwengel, 1955, p. 124, pl. 24, fig. 167
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 2781 *Polinices eminulus* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 121, pl. 12, figs. 2, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2782 *Polinices eminulus* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 121, pl. 12, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene

- 2783 **Polinices eminulus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 121, pl. 12, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4513 **Polinices eminulus** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 250,
pl. 29, fig. 12
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4514 **Polinices eminulus** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 250,
pl. 29, fig. 13
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4515 **Polinices eminulus** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 250,
pl. 29, fig. 14
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4516 **Polinices eminulus** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 250,
pl. 29, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3618 **Polinices (Sigaticus) harrisi** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1958, p. 60, pl. 13, fig. 2
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 3619 **Polinices (Sigaticus) harrisi** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 60, pl. 13, fig. 3
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 24887 **Polinices lacteus** (Guilding) Hypotype
Perry and Schwengel, 1955, p. 124, pl. 46, fig. 324
Sanibel, Lee Co., Fla. Recent
- 2345 **Polinices nelsoni** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 208, pl. 24, fig. 8
Quebrada Tucillal, Dept. of Tumbes, Peru Tumbes* fm.,
upper Miocene
- 2347 **Polinices nelsoni** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 208, pl. 24, fig. 10
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 22873 **Polinices (Neverita) paraguanensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 71, pl. 38, figs. 2-4
Cantaure,* Cocodite* area, Paraguaná Pen., Dist. of Falcón,
St. of Falcón, Ven. lower Miocene

- 22874 **Polinices paraguayensis buchivacoanus** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 71, pl. 38, fig. 6
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 22876 **Polinices paraguayensis buchivacoanus** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 71, pl. 38, fig. 9
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 22872 **Polinices paraguayensis quirosanus** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 71, pl. 38, figs. 1, 5, 7
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven.. upper Oligocene
- 2032 **Polinices (Neverita) quirosanus** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 69, pl. 11, fig. 4
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 2033 **Polinices (Neverita) quirosanus** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 69, pl. 11, figs. 5, 8
Punta Bravo, Dept. of Tumbes, Peru Punta Bravo
grits, Mancora fm., middle Oligocene
- 3620 **Polinices (Neverita) samanensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 59, pl. 13, fig. 4
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3621 **Polinices (Neverita) samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 59, pl. 13, fig. 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 1073 **Polinices springvalensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 241, pl. 40, fig. 6
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1074 **Polinices stanislasmeyneri†** Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 240, pl. 40, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 21091 **Polinices stanislasmeyneri†** Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 157, pl. 13, fig. 7
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 22868 *Polinices stanislasmeunieri*† *venezuelanus* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 70, pl. 37, figs. 10, 15
Around Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 2339 *Polinices subangulatus* Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 209, pl. 24, fig. 1
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2340 *Polinices subangulatus* Nelson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 209, pl. 24, fig. 2
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 21098 *Polinices subclausus* (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 157, pl. 13, fig. 16
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21099 *Polinices subclausus* (Sowerby) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 157, pl. 13, fig. 17
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22855 *Polinices subclausus* (Sowerby) Hypotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 69, pl. 36, fig. 5
At signboard on E. side of road at fork in rd. to United Fruit
Co. pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
Jamaica, W. I. middle Miocene
- 22858 *Polinices subclausus lavelanus* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 69, pl. 36, fig. 8
At signboard on E. side of road at fork in rd. to United Fruit
Co. pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
Jamaica, W. I. middle Miocene
- 22870 *Polinices subclausus lavelanus* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 69, pl. 37, figs. 12, 14
NW. sec., La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 22854 *Polinices subporcanus* Williston in F. Hodson, H. K. Hodson,
and Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 70, pl. 36, fig. 3
Around Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 22865 *Polinices subporcanus* Williston in F. Hodson, H. K. Hodson,
and Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 70, pl. 37, figs. 5, 9
Around Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene

- 22871 **Polinices subporcanus** Williston in F. Hodson, H. K. Hodson
and Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 70, pl. 37, fig. 16
Around Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 2021 **Polinices (Neverita) subreclusianus** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 68, pl. 10, figs. 1, 4
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 3623 **Polinices (Lunatia) vicanus** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 59, pl. 13, fig. 7
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm, middle Eocene
- 3624 **Polinices (Lunatia) vicanus** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 59, pl. 13, fig. 8
Jabonillal, mi. NE. of Talara, Dept. of Piura, Peru
Restin fm, middle Eocene
- 2784 **Polinices weisbordi** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 122, pl. 12, fig. 7
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2785 **Polinices weisbordi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 122, pl. 12, fig. 10; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 248, pl. 29,
fig. 11
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4509 **Polinices weisbordi** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 248,
pl. 29, fig. 7
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4510 **Polinices weisbordi** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 248,
pl. 29, fig. 8
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4511 **Polinices weisbordi** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 248,
pl. 29, fig. 9
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.,
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4512 **Polinices weisbordi** Palmer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 248,
pl. 29, fig. 9
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene

- 3617 **Polinices woodsi** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 58, pl. 13, fig. 1
 Near Negritos, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 2112 **Pollia huitra** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 100, pl. 18, fig. 9
 Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru Chira fm., lower Oligocene
 See *Tritonidea huitra* (Olsson)
- 24266 **Pollia (Endopachychilus) purpureoides** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 54, pl. 11, fig. 1
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24267 **Pollia (Endopachychilus) purpureoides** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 54, pl. 11, fig. 2
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24274 **Pollia (Endopachychilius) purpureoides** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 54, pl. 11, fig. 9
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24272 **Pollia sillapaytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 53, pl. 11, fig. 7
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24273 **Pollia sillapaytensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 53, pl. 11, fig. 8
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24277 **Pollia sillapaytensis** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 53, pl. 11, fig. 12
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 20141 **Polorthus** sp. Figured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1643, pl. 4, fig. 1
 Río Cogollo, E. bank about 550 m. downstream from junc. with Río Seco, Dist. of Perijá, St. of Zulia, Ven. Apón fm., Middle Cretaceous
- 20715- **Polychasmina pawpawensis** Loeblich and Tappan Paratypes
 20716 Loeblich and Tappan, Jour. Pal., v. 20, No. 3, 1946, p. 242, pl. 36, fig. 2; Marks, Micropal., v. 6, No. 4, 1952, p. 38
 Bank of Little Mineral Cr., 500 ft. S. of Locust Rd., about 1 mi. SE. of Fink, Grayson Co., Tex. Paw Paw fm., Washita gr., Lower Cretaceous
- 24631 **Polymesoda floridana** (Conrad) Representative specimen
 Perry and Schwengel, 1955, p. 59, pl. 9, fig. 53
 Clam Bayou, Sanibel, Lee Co., Fla. Recent

- 24632 **Polymesoda floridana protexta** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 59, pl. 9, fig. 54
Clam Bayou, Sanibel, Lee Co., Fla. Recent
- 21610 **Polymorphina communis** d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 21, pl. 1, fig. 6
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25412 **Polymorphina frondea yumuriana** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 288, pl. 51, fig. 9 [D.K.P. slide 191.9-18 (36)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21703 **Polymorphina spathulata** Terquem Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 10, pl. 1, fig. 9
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25210 **Polymorphina subrhombica** Reuss Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 25
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J.
Hornerstown fm., Eocene
- 22214 **Polymorphinid** Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22215 **Polymorphinid** Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 21600 **Polypora cachirita** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 8, pl. 2, figs. 4, 5
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 21601 **Polypora cachirita** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 8, pl. 2, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 5910 **Polypora elegantula** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 1
(P. R. I. 5906, pl. 4, fig. 6 on reverse side of specimen.)
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5911 **Polypora elegantula** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 2

- Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5912 **Polypora granulifera** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 8
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5913 **Polypora granulifera** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5914 **Polypora granulifera** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5915 **Polypora granulifera** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 5 (P. R. I. 5899, pl. 3, fig. 8 on reverse side of specimen)
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5916 **Polypora granulifera** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 6
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 5917 **Polypora granulifera** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 18, pl. 5, fig. 7
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa Rosa and Corales, Dept. de Boyaca, Col. Floresta series, Middle Devonian
- 4032 **Polystira panamensis** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 50, pl. 12, fig. 4
Charco Azul 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 22370 **Poroeponides lateralis** (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Langley Field excavation, City of Hampton (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22371 **Poroeponides lateralis** (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Langley Field excavation, City of Hampton (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22372 **Poroeponides lateralis** (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358, pl. 48, figs. 1a-d
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene

- 22373 *Poroeponides lateralis* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22374 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358, pl. 47, figs. 9a, b,
10
Moore House Beach, 6 ft. up bank, York Co., Va., York-
town fm., upper Miocene
- 22375 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22376 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22377 *Poroeponides lateralis* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22378 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22379 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22380 *Poroeponides lateralis* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358, pl. 47, figs. 11a-e
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22381 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22382 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22383 *Poroeponides lateralis* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22384 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358

- Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22385 *Poroeponides lateralis* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 358, pl. 48, figs. 2a, b
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22386 *Poroeponides lateralis* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 358
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 4425 *Poromya mississippiensis* Aldrich and Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 118,
pl. 25, figs. 3, 5
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4426 *Poromya mississippiensis* Aldrich and Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 118,
pl. 25, fig. 4
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 22970 *Potamides avus* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 37, pl. 8, fig. 10
Cedral, Dept. of Atlantico, Col. Miocene
- 22971 *Potamides avus* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 37, pl. 8, fig. 11
Cedral, Dept. of Atlantico, Col. Miocene
- 22972 *Potamides avus* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 37, pl. 8, fig. 12
Cedral, Dept. of Atlantico, Col. Miocene
- 2308 *Potamides bocapanensis* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 192, pl. 20, fig. 8
Boca Pan, Dept. of Tumbes, Peru Variegated beds,
lower Miocene
- 22966 *Potamides (Prazisinus) bolivarensis* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 39, pl. 8, fig. 5
Four km. E. of Esperanza, Dept. of Bolívar, Col.
Miocene
- 2082 *Potamides chira* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 88, pl. 15, fig. 10
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2078 *Potamides hondensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 88, pl. 15, fig. 6
Upper Quebrada Honda, Dept. of Piura, Peru Man-
cora fm., middle Oligocene

- 2079 **Potamides hondensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 88, pl. 15, fig. 7
Upper Quebrada Honda, Dept. of Piura, Peru Man-
cora fm., middle Oligocene
- 2330 **Potamides infraliratus** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 193, pl. 23, fig. 5
Boca Pan, Dept. of Tumbes, Peru Variegated beds
lower Miocene
- 2338 **Potamides infraliratus** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 193, pl. 23, fig. 12
Boca Pan, Dept. of Tumbes, Peru Variegated beds,
lower Miocene
- 22969 **Potamides maracaibensis** Williston *in* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 38, pl. 8, figs. 8, 9
Between Las Percides and Pto. Colombia, Dept. of Atlantico,
Col. Miocene
- 22967 **Potamides (Lampanella) ormei** Maury Hypotypes
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 38, pl. 8, figs. 6, 7
Four km. E. of Esperanza, Dept. of Bolívar, Col.
Miocene
- 20173 **Potamides (Telescopium) sp.** Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1661, pl. 7, fig. 6
N. side of road between Puente Gomez and Casa del Zinc, 700 m.
W. of junc. with road to Chejendé, Carache R. Valley, Dist. of
Carache, St. of Trujillo, Ven. Trujillo fm., middle
Eocene
- 3995 **Potamolithoides biblianus** Marshall and Bowles Hypotypes
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 41,
pl. 6, figs. 13, 14
Float along Quebrada Paccha, near Paccha, Azuay Prov., Ecu.
Biblián ss., possible Miocene
- 1546 **Praeacprina andersoni** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 9, fig. 1
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1547 **Praeacprina andersoni** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 9, fig. 2
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 1550 **?Praeacprina pennyi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 10, figs.
1, 2
"Stack-Rock", S. of Point-à-Pierre, W. Point-à-Pierre Ward,
NW. Victoria Co., Trinidad, W. I. Lower Cretaceous
- 1551 **?Praeacprina pennyi** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 10,
fig. 3
"Stack-Rock", S. of Point-à-Pierre, W. Point-à-Pierre Ward,
NW. Victoria Co., Trinidad, W. I. Lower Cretaceous

- 1552 **?*Praeacprina pennyi*** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 11,
fig. 1
"Stack-Rock", S. of Point-à-Pierre, W. Point-à-Pierre Ward,
NW. Victoria Co., Trinidad, W. I. Lower Cretaceous
- 1553 **?*Praeacprina pennyi*** Harris and Hodson Syntype
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, p. 17, pl. 11,
fig. 2
"Stack-Rock", S. of Point-à-Pierre, W. Point-à-Pierre Ward,
NW. Victoria Co., Trinidad, W. I. Lower Cretaceous
- 4926 ***Previcarya peruviana*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 87, pl. 12, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Previcarya* Olsson, 1944
- 4927 ***Pervicarya peruviana*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 87, pl. 12, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4928 ***Pervicarya peruviana*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 87, pl. 12, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 20146 **?*Prionotropis* sp.** Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 6, fig. 1
Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven.
La Luna fm., Upper Cretaceous
- 5920 ***Prismopora inornata*** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 20, pl. 6, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta
series, Middle Devonian
- 20102 ***Prodiplodon tipswordi*** Palmer Holotype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 16, pl. 3, figs. 1, 7
E. bank of Guatatal* R., E. of La Llanera, 17.1 km., No. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
cene
- 20104 ***Prodiplodon tipswordi*** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 16, pl. 3, fig. 4
E. bank of Guatatal* R., E. of La Llanera, 17.1 km., N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
cene
- 20107 ***Prodiplodon tipswordi*** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 16, pl. 93, figs. 8, 10
E. bank of Guatatal* R., E. of La Llanera, 17.1 km., N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Plio-
cene

- 20108 **Prodiplodon tipswordi** Palmer Paratype
Palmer, B.A.P., v. 31, No. 118, 1945, p. 16, pl. 3, fig. 9
E. bank of Guatatal* R., E. of La Llanera, 17.1 km., N. of
Caicara, Dist. of Cedeño, St. of Monagas, Ven. Pliocene
- 5228 **Productella ?costatula** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 26, pl. 20, figs. 11, 12
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5229 **Productella costatula** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 26, pl. 20, fig. 13
Warren, Warren Co., Pa. "Venango stage" (Caster,
1937), Conewango stage, Upper Devonian
- 5230 **Productella lachrymosa** (Conrad) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 25, pl. 20, fig. 14
One mi. E. of Stoneham, Warren Co., Pa. Knapp fm.,
("Oil Lake Series", Caster 1934), Lower Mississippian
- 5226 **Productella onusta** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 20, fig. 8
Warren, Warren Co., Pa. "Venango stage" (Caster,
1937), Conewango stage, Upper Devonian
- 5227 **Productella onusta** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 20, fig. 9
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 6006 **Productella** sp. Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 65, pl. 6, fig. 11
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5459 **Productella cf. spinulicosta** Hall Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 121, pl. 7, figs. 19, 20
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta
series, Middle Devonian
- 5235 **Prorhynchus harrisi** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 60, pl. 23, fig. 7
Stickney, McKean Co., Pa. Salamanca, Conewango
stage, Upper Devonian
- 5234 **Prorhynchus paeneplanus** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 61, pl. 23, fig. 5
Glade, Warren Co., Pa. Salamanca, Conewango stage,
Upper Devonian
- 5271 **Prorhynchus quadratus** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 59, pl. 40, fig. 16
One hundred ft. above the road at Glade, Warren Co., Pa.
Salamanca fm., Conewango stage, Upper Devonian

- 21620 **Proroporus mexicanus** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 26, pl. 1, fig. 19
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 20300 **?Protacanthoceras cf. Lyelliceras scheibei** Reidel Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1650, pl. 5, figs. 3, 5
 Quebrada La Luna, Dist. of Perijá, St. of Zulia, Ven. La Luna fm., Upper Cretaceous
- 21264 **Protocardia costaricensis** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 229, pl. 27, fig. 13
 Comadre Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 1146 **Protocardia diversa** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, pl. 42, fig. 5
 Vicksburg, Warren Co., Miss. Vicksburg gr., middle Oligocene
- 4344 **Protocardia diversa** Conrad Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, pl. 20, figs. 20, 21
 Vicksburg, Warren Co., Miss. Vicksburg gr., middle Oligocene
- 1144 **Protocardia gambrina harrisi?** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 133, pl. 42, fig. 3
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1147 **Protocardia gambrina harrisi?** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 133, pl. 42, fig. 6
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
 See *Protocardia harrisi* Dall
- 21258 **Protocardia (Lophocardium) gurabica** Maury Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 229, pl. 27, fig. 7
 Gatun, C. Z. Gatun fm., middle Miocene
- 21259 **Protocardia (Lophocardium) gurabica** Maury Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 229, pl. 27, fig. 8
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 21260 **Protocardia (Lophocardium) gurabica** Maury Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 229, pl. 27, fig. 9
 Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 1147 **Protocardia harrisi** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 133, pl. 42, fig. 6;
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 93, pl. 20, fig. 22
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene
 See *Protocardia gambrina harrisi?* Dall

- 1145 **Protocardia nicolletti** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, pl. 42, fig. 4
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4342 **Protocardia (Nemocardium) nicolletti** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 92,
pl. 20, figs. 16, 17
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4343 **Protocardia (Nemocardium) nicolletti** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 92,
pl. 20, figs. 18, 19
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 24507 **Protocardia nicolletti** (Conrad) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 1
Georgia Lime Rock quarry, about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24508 **Protocardia nicolletti** (Conrad) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 23, pl. 12, fig. 2
Georgia Lime Rock quarry, about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 66 **Protocardia nicolletti** (Conrad) "var." Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 65, pl. 6, fig. 2
Naheola Ldg., Tombigbee R., Choctaw Co., Ala. Naheola
fm., upper Midway gr., Paleocene
- 1148 **Protocardia salrivalis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 134, pl. 42, fig. 7
Mouth of Saline Bayou, St. Maurice, Winn Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1149 **Protocardia salrivalis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 134, pl. 42, fig. 8
Mouth of Saline Bayou, St. Maurice, Winn Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- Protocardia salrivalis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 134, pl. 42, fig. 9 (lost
prior to 1937)
St. Maurice, Winn Par., La. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 1150 **Protocardia** sp. Figured specimen
Harris, B.A.P., v. 6, No. 31, 1919, pl. 42, fig. 10
Port Royal, Rappahannock R., Caroline Co., Va. Clai-
borne gr., middle Eocene
- 5329 **Protolimulus eriensis** (Williams) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 99, pl. 55, fig. 2
Ceramic quarry at Lewis Run, near Bradford, McKean Co., Pa.
Lower Conewango stage, Upper Devonian

- 24984 **Protoma obeliscus** Grateloup Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
 1954, p. 30, pl. 1, fig. 12
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
 Angola Miocene
- 24983 **Protoma (Protomella) quadriplicata inaequiplicata**
 Cossmann and Peyrot Hypotype
 Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
 1954, p. 31
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
 Angola Miocene
- Protosurcula* see also *Turricula (Protosurcula)*
- 25009 **Psammechinus cf. dubius** L. Agassiz Hypotype
 Darteville, Annales du Musee Royal du Congo Belge, Ser. 8,
 Sci. Geol., v. 13, 1953, p. 38, pl. 1, figs. 9, 10; Darteville and
 Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 19
 Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim),
 Angola Miocene
- 14928 **Psammechinus philanthropus** (Conrad) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, pp. 306, 307
 Carter's Grove, 6 ft. up midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 1204 **Psammobia eborea** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, fig. 8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
 See *Gari eborea* (Conrad)
- 1205 **Psammobia eborea** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, fig. 9
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1206 **Psammobia eborea** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, fig. 10
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1207 **Psammobia eborea** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, fig. 11
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 1208 **Psammobia eborea** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 156, pl. 48, figs. 12, 13
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 199 **Psammobia gubernatoria dalli** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 27, 1916, p. 25, pl. 2, fig. 2
 Chocowinity, Beaufort Co., N. C. Yorktown fm., upper
 Miocene

- 169 **Psammobia ozarkana** Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 65, pl. 12, fig. 14
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 176 **Psammobia ozarkana** Harris Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 65, pl. 13, fig. 8
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 21292 **Psammosolen gatumensis costaricensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 260, pl. 29, fig. 7
Río Betey, Limon Prov., C. R. Gatun fm., middle Miocene
- 4084 **Pseudamusium terryi** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 30, pl. 2, figs. 6, 7
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 4085 **Pseudamusium terryi** Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 30, pl. 2, fig. 5
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 185 **Pseudamussium claibornense** Conrad Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 43, pl. 7, fig. 1
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
See *Pecten (Eburneopecten) scintillatus corneoides* Harris
- 24640 **Pseudochama radians variegata** (Reeve) Representative specimen
Perry and Schwengel, 1955, p. 62, pl. 10, fig. 61
Sanibel, Lee Co., Fla. Recent
- 25380 **Pseudoclavulina cf. alazanensis** (Nuttall) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 120, pl. 18, fig. 4 [D.K.P. slide 191.9-18 (17)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25381 **Pseudoclavulina cf. alazanensis** (Nuttall) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 120, pl. 18, fig. 9 [D.K.P. slide 191.9-18 (16)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25381a **Pseudoclavulina cf. alazanensis** (Nuttall) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 120, pl. 18, fig. 10 [D.K.P. slide 191.9-18 (16)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25382 **Pseudoclavulina mexicana** (Cushman) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 120, pl. 18, fig. 11 [D.K.P. slide 191.9-18 (19)]

Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 4820 *Pseudocucullaea gregoryi* Olsson Hypotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 31, pl. 2, figs. 1, 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 3717 *Pseudocucullaea gregoryi* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 22, pl. 3, fig. 1
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 4821 *Pseudocucullaea paitana* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 31, pl. 2, fig. 3
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
Sphenodiscus beds, Campanian
- 4822 *Pseudocucullaea paitana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 31, pl. 2, fig. 4
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
Sphenodiscus beds, Campanian
- 4823 *Pseudocucullaea paitana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 31, pl. 2, fig. 5
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
Sphenodiscus beds, Campanian
- 4823a *Pseudocucullaea paitana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 31
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
Sphenodiscus beds, Campanian
- 21867 *Pseudocucullaea perijana* Harris, F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 1, pl. 1, fig. 4 (text *perijana* typ. error)
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist. of Perijá, St. of Zulia, Ven. Upper Cretaceous
- 21870 *Pseudocucullaea perijana* Harris, F. and H. K. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 1, pl. 2, figs. 1, 3
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist. of Perijá, St. of Zulia, Ven. Upper Cretaceous
- 21872 *Pseudocucullaea perijana* Harris, F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 1, pl. 2, fig. 4
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist. of Perijá, St. of Zulia, Ven. Upper Cretaceous
- 21873 *Pseudocucullaea perijana* Harris, F. and H. K. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 1, pl. 3, fig. 1
Quebrada El Mene, W. of Machiques, SW. of Maracaibo, Dist. of Perijá, St. of Zulia, Ven. Upper Cretaceous

- 24538 ***Pseudocyproides alatus*** Morris and Hill Paratype
 Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 16
 Newsom, Davidson Co., Tenn. Newsom sh., Middle
 Silurian
- 25255 ***Pseudocythereis reticulata*** Jennings Paratype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 56
 N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
 Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
 Cretaceous
 Type species of *Pseudocythereis* Jennings, 1936
- 22681 ***Pseudoglandulina*** sp. Figured specimen
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 158, pl. 10, figs. 16, 17
 (S-798)
 Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
 bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
 ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 20175 ***Pseudoglauconia*** cf. *lissoni* Douvillé of Woods in Bosworth
 Hypotype
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1661
 N. side of road between Puente Gomez and Casa del Zinc, 700
 m. W. of junc. with road to Chejendé, Carache R. Valley, Dist.
 of Carache, St. of Trujillo, Ven. Trujillo fm., middle
 Eocene
- 2285 ***Pseudolatirus tumbeziensis*** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 167, pl. 18, fig. 3
 Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
 ritos fm., lower Miocene
- 2287 ***Pseudolatirus tumbeziensis*** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 167, pl. 18, fig. 5
 Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
 ritos fm., lower Miocene
- 2288 ***Pseudolatirus tumbeziensis*** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 167, pl. 18, fig. 6
 Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
 ritos fm., lower Miocene
- 24229 ***Pseudoliva coronaria*** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 57, pl. 6, figs. 3, 7
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 3668 ***Pseudoliva modesta*** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 79, pl. 18, fig. 7
 Near Negritos, Dept. of Piura, Peru Talara fm., lower
 upper Eocene
- 3671 ***Pseudoliva monilis*** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 79, pl. 18, fig. 10
 Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
 Parinas fm., middle Eocene

- 3681 *Pseudoliva mutabilis douvilléi* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 81, pl. 20, fig. 1
 Pozo Valley on E. side of Keswick Hills, E. of Punta Parinas,
 Dept. of Piura, Peru Restin fm., middle Eocene
- 3684 *Pseudoliva mutabilis woodsi* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 80, pl. 20, fig. 5
 Near Negritos, Dept. of Piura, Peru Salina fm.,* lower Eocene
- 3679 *Pseudoliva parinasensis mancorensis* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 78, pl. 19, fig. 4
 Quebrada Charanal, NW. Peru Mancora fm., middle Oligocene
- 3680 *Pseudoliva parinasensis mancorensis* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 78, pl. 19, figs. 5, 6
 Quebrada Charanal, NW. Peru Mancora fm., middle Oligocene
- 3677 *Pseudoliva parinasensis samanica* Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 77, pl. 19, fig. 1
 Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3678 *Pseudoliva parinasensis samanica* Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 77, pl. 19, figs. 2, 3
 Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- Pseudoliva scalina* Heilprin Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 100, pl. 9, fig. 21 (lost prior to 1937)
 Alabama Midway gr., Paleocene
- 22 *Pseudoliva* sp. Figured specimen
 Harris, B.A.P., v. 1, No. 4, 1896, p. 100, pl. 9, fig. 22
 R.R. cut $1\frac{1}{3}$ mi. NE. of Clayton, Barbour Co., Ala.
 Clayton fm., lower Midway gr., Paleocene
- 320 *Pseudoliva tuberculifera* Conrad Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 32, pl. 3, fig. 17
 Bells Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 24 *Pseudoliva vetusta* (Conrad) Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 99, pl. 9, fig. 17
 Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
 Alabama R., Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 3067 *Pseudoliva vetusta* (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 1
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3068 *Pseudoliva vetusta* (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 8

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3069 ***Pseudoliva vetusta*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, figs. 12, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3072 ***Pseudoliva vetusta*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3074 ***Pseudoliva vetusta*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3075 ***Pseudoliva vetusta*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3076 ***Pseudoliva vetusta*** (Conrad) Hypotype
(3077) Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, figs. 5, 6
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 3078 ***Pseudoliva vetusta*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 310, pl. 43, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4672 ***Pseudoliva vetusta*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 355,
pl. 46, fig. 1
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4673 ***Pseudoliva vetusta*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 355,
pl. 46, fig. 2
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4674 ***Pseudoliva vetusta*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 355,
pl. 46, figs. 3, 4
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4675 ***Pseudoliva vetusta*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 355,
pl. 46, fig. 5
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene

- 4676 ***Pseudoliva vetusta*** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 355,
pl. 46, fig. 6
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- Pseudoliva vetusta*** (Conrad) "var." Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 305, pl. 54, figs. 6, 7
(lost prior to 1937)
Exact locality in Texas or La. not designated lower
Eocene
- 3073 ***Pseudoliva vetusta*** (Conrad) variation Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 314, pl. 43, fig. 9
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene = [*P. fusiformis* (Conrad) not Lea 1833]
- 3070 ***Pseudoliva vetusta linosa*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 315, pl. 43, figs. 2, 10
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3071 ***Pseudoliva vetusta linosa*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 315, pl. 43, fig. 3
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3041 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 313, pl. 42, fig. 2
Locality unknown Jackson gr., upper Eocene
- 3060 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 313, pl. 42, fig. 1
Montgomery, Red R., Grant Par., La. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 3061 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 313, pl. 42, fig. 3
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3062 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 313, pl. 42, fig. 4
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3063 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 313, pl. 42, figs. 5, 6
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4677 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, fig. 10
Town Cr., Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene

- 4678 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, fig. 7
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4679 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, figs. 8, 9
Montgomery, $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4680 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, fig. 11
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4681 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, fig. 12
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4682 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, figs. 13, 15
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4683 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 46, fig. 14
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4684 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 1
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4685 *Pseudoliva vetusta cf. perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 2
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4686 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 3
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4687 *Pseudoliva vetusta perspectiva* Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 4
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene

- 4688 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 5
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4689 ***Pseudoliva vetusta perspectiva*** Conrad in Gabb Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 356,
pl. 47, fig. 6
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 2857 ***Pseudomalaxis plummerae*** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 178, pl. 21, fig. 9
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2858 ***Pseudomalaxis plummerae*** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 178, pl. 21, fig. 14
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2859 ***Pseudomalaxis plummerae*** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 178, pl. 21, fig. 15
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 4873 ***Pseudomelania simplex*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 66, pl. 12, fig. 17
Tortuga, coast of Paita Pen., Dept. of Piura Peru
lower zone, Maestrichtian
- 2244 ***Pseudomiltha (Zorrita) petersoni*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 94, pl. 13, fig. 1
Sechurita, Dept. of Tumbes, Peru Cardalitos fm., middle
Miocene
Type species of *Zorrita* Olsson, 1932
- 2247 ***Pseudomiltha (Zorrita) petersoni aquada*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 95, pl. 13, fig. 4
On road between Amen and Playas along R.R. cuts, SW. Ecua.
lower Miocene
- 20717 ***Pseudopolymorphina cuyleri*** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 173, pl. 9, fig. 21;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Pit at brick yard of Magnolia Brick Co., 2 mi. S. of center of
Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old
Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro
gr., Maestrichtian, Upper Cretaceous
- 20718- ***Pseudopolymorphina cuyleri*** Plummer Paratypes
20720 Plummer, Univ. Tex. Bull. 3101, 1931, p. 173, pl. 9, figs. 18-20;
Marks, Micropal., v. 6, No. 4, 1952, p. 38

Pit at brick yard of Magnolia Brick Co., 2 mi. S. of center of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous

- 22199 *Pseudopolymorphina* cf. *novangliae* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 40, fig. 14
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22203 *Pseudopolymorphina* *rutila* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22204 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 41, fig. 17
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22205 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 41, fig. 16
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22206 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22207 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 41, figs. 8a, b
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22208 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 41, figs. 9a, b
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22209 *Pseudopolymorphina* *rutila* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 335, pl. 41, figs. 6, 7
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22210 *Pseudopolymorphina* *rutila* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335
Carter's Grove, 10 ft. up midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22211 *Pseudopolymorphina* *rutila* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22212 *Pseudopolymorphina* *rutila* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335

Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene

- 22213 **Pseudopolymorphina rutila** (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 335
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22200 **Pseudopolymorphina** sp. A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 1
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22201 **Pseudopolymorphina** sp. A Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 2
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22202 **Pseudopolymorphina** sp. B Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, figs. 10a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 1374 **Pseudorotella bushi** Olsson Syntypes
Olsson, B.A.P., v. 5, No. 27, 1916, p. 22, pl. 3, figs. 5, 6
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N.C.
Duplin fm., upper Miocene
- 5859 **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140, pl. 2, fig. 11
SW. Indiana Hazleton Bridge ls., Upper Pennsylvanian
- 5860 **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140, pl. 8, fig. 5
SW. Indiana Hazleton Bridge ls., Upper Pennsylvanian
- 5861 **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140
SW. Indiana Hazleton Bridge ls., Upper Pennsylvanian
- 5862 **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140
Jack Co., Texas Jackborough ls., Caddo fm., Pennsylvanian
- 5863 cf. **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140, pl. 8, fig. 12
S. Ind. (exact locality and horizon unknown) Pennsylvanian
- 5864 **Pseudorthoceras knoxense** (McChesney) Hypotype
Flower, P. A., v. 2, No. 10, 1939, p. 140, pl. 8, fig. 11
Jack Co., Tex. Jackborough ls., Caddo fm., Pennsylvanian
- 5871 **Pseudorthoceras knoxense** (McChesney)
Flower, P. A., v. 2, No. 10, 1939, p. 140. Series of thin sections

from several individuals; material forms basis for morphology of cameral deposits.

Locality not given Pennsylvanian

- 5858 **Pseudorthoceras senecum** Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 142, pl. 1, figs. 1-3
Naples, Ontario Co., N. Y. Cashaqua sh., Upper Devonian
- 22671 **Pseudotextularia** sp. A Figured specimen
Plummer, Univ. Tex. Bull. 2644, 1927, p. 35, p. 172, pl. 2 fig. 1
(S-1022; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex. Kemp cl., Navaro gr., Maestrichtian, Upper Cretaceous
- 22672 **Pseudotextularia** sp. B Figured specimen
Plummer, Univ. Tex. Bull. 2644, 1927, p. 35, p. 172, pl. 2, fig. 2
(S-1023; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex. Kemp. cl., Navarro gr., Maestrichtian, Upper Cretaceous
- 22673 **Pseudotextularia** sp. C Figured specimen
Plummer, Univ. Tex. Bull. 2644, 1927, p. 35, p. 172, pl. 2, fig. 3
(S-1024; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex. Kemp. cl., Navarro gr., Maestrichtian, Upper Cretaceous
- 22674 **Pseudotextularia** sp. D Figured specimen
Plummer, Univ. Tex. Bull. 2644, 1927, p. 35, p. 172, pl. 2, fig. 4
(S-1025; not in Walker Mus. as on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex. Kemp. cl., Navarro gr., Maestrichtian, Upper Cretaceous
- 4983 **Pseudotoma axeli** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434, pl. 60, fig. 8a
Moody's Branch, Jackson, Hinds Co., Miss. Moody's Branch fm., lower Jackson gr., upper Eocene
- 2589 **Pseudotoma heilprini** (Aldrich) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 81, pl. 13, figs. 32, 32a, 32b
Montgomery, Red R., Grant Par., La. Moody's Branch fm., lower Jackson gr., upper Eocene
- 4979 **Pseudotoma heilprini** (Aldrich) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434, pl. 60, fig. 4
Montgomery Ldg., Red R., Grant Par., La. Moody's Branch fm., lower Jackson gr., upper Eocene
- 4980 **Pseudotoma heilprini** (Aldrich) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434, pl. 60, fig. 5
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene

- 4981 *Pseudotoma heilprini* (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434,
pl. 60, figs. 6, 7
Moodys Branch, Jackson, Hinds, Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4981a *Pseudotoma heilprini* (Aldrich) "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434,
pl. 60, fig. 7a
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2590 *Pseudotoma heilprini gibsoni* Harris Holotype
(4982) Harris, P. A., v. 2, No. 7, 1937, p. 81, pl. 13, fig. 33; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 434, pl. 60.
fig. 8
Gibsons Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 25216 *Pseudouigerina triangularis* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 29
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co.
N. J. Hornerstown fm., Eocene
- Psilomya bontourensis* Harris Holotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
98, pl. 17, fig. 5 (lost prior to 1937)
Bontour Point, W. Naparima Ward, W. Victoria Co., Trinidad,
W. I. uppermost Cretaceous
- 24466 *Pteria cf. argentea* (Conrad) Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 13, pl. 6, fig. 6
Georgia Lime Rock Quarry about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24597 *Pteria colymbus* (Roeding) Representative specimen
Perry and Schwengel, 1955, p. 41, pl. 4, fig. 17
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 21273 *Pteria inornata* (Gabb) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 195, pl. 28, fig. 9
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 467 *Pteria limula* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 29, pl. 16, figs. 3, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 468 *Pteria limula* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 29, pl. 16, figs. 5, 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 469 *Pteria limula* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 29, pl. 16, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4182 ***Pteria limula vanwinkleae* Harris** Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 37,
pl. 10, fig. 1
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4183 ***Pteria limula vanwinkleae* Harris** Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 37,
pl. 10, fig. 2
Gibson Ldg., $\frac{3}{4}$ mi. below ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4184 ***Pteria limula vanwinkleae* Harris** Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 37,
pl. 10, figs. 3, 4
Montgomery Ldg., Red R., Grant Par., La. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 5412A **?*Pterinea* sp.** Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 179, pl. 11, figs. 13, 14
Floresta, lat $5^{\circ} 51' N.$; long $72^{\circ} 53' W.$, on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- ?*Pteromya laventillensis* Harris** Holotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 90,
pl. 17, fig. 1 (lost prior to 1937)
Lee Lum Quarry, Point Gourde, SW. Diego Martin Ward, W.
St. George Co., Trinidad, W. I. Middle Jurassic?
- 301 ***Pteropsis harrisi* Van Winkle** Holotype
Van Winkle, B.A.P., v. 8, No. 36, p. 9, pl. 1, figs. 12, 13
Newcastle, S. side Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U.S. route 360, Hanover Co., Va. Nanjemoy fm., lower
Eocene
- 1260 ***Pteropsis lapidosa* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 178, pl. 54, fig. 14
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1261 ***Pteropsis lapidosa* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 178, pl. 54, fig. 15
Orangeburg, Orangeburg Co., S. C. McBean fm., upper Clai-
borne gr., middle Eocene
- 1262 ***Pteropsis papyria* (Conrad)** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 178, pl. 54, fig. 13a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 5069 ***Pterotheca expansa* Emmons** Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 40, pl. 19, fig. 12
Crown Point, Essex Co., N. Y. Trenton ls., Mohawkian,
upper Champlainian (Middle) Ordovician
- 22544 ***Pterygocythereis americana* (Ulrich and Bassler)** Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 80, pl. 9, figs. 5a-d

- Carter's Grove, 10 ft. up bank upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22545 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80, pl. 9, figs. 6a, b
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22546 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80, pl. 9, figs. 6c-e
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22547 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Fort Eustis, depth 101-135 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22548 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Carter's Grove, basal gravel bed upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22549 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22550 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Carter's Grove, 10 ft. up bank upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22551 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22552 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22553 *Pterygocythereis americana* (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 80
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 128 *Ptychoceras* cf. *crassum* Whitfield Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 297, pl. 51, fig. 5
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 5248 *Ptychopteria alata* Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 68, pl. 26, fig. 8
Pope Hollow, Cattaraugus Co., N. Y. Pope Hollow cgl.,
Conewango stage, Upper Devonian

- 5257 **Ptychopteria alata** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 68, pl. 27, fig. 7
Pope Hollow, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- 5258 **Ptychopteria alata** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 68, pl. 27, fig. 8
Pope Hollow, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- 5259 **Ptychopteria beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 27, fig. 9
One mi. E. of Stoneham, Warren Co., Pa. Salamanca
fm., Conewango stage, Upper Devonian
- 5256 **Ptychopteria elongata** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 27, figs. 5, 6
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5282 **Ptychopteria elongata** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 26, fig. 3
Panama Chautauqua Co., N. Y. "Chemung group",
Upper Devonian
- 5281 **Ptychopteria sao** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 70, pl. 25, fig. 9
Panama, Chautauqua Co., N. Y. Panama cgl., Cone-
wango stage, Upper Devonian
- 5249 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 26, figs. 2, 9
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5250 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 26, fig. 4
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5251 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 26, fig. 5
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5253 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 26, fig. 7
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5254 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 27, figs. 1 - 3
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5255 **Ptychopteria spatulata** or **beecheri** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 69, pl. 27, fig. 4

- Glade, Warren Co., Pa. Conewango stage, Upper Devonian
- 5252 **Ptychopteria thetis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 70, pl. 26, fig. 6
One mi. E. of Stoneham, Warren Co., Pa. Conewango stage, Upper Devonian
- 5247 **Ptychopteria cf. trigonalis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 67, pl. 26, fig. 1
Pope Hollow, Cattaraugus Co., N. Y. Pope Hollow cgl.,
Conewango stage, Upper Devonian
- 5260 **Ptychopteria cf. trigonalis** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 67, pl. 27, fig. 10
Pope Hollow, Cattaraugus Co., N. Y. Conewango stage,
Upper Devonian
- 21124 **?Ptychosalpinx dentalis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 109, pl. 15, fig. 14
Cocles Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21128 **?Ptychosalpinx dentalis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 109, pl. 15, fig. 18
Cocles Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 6043 **Pugnax** sp. Figured specimen
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 12, pl. 1, figs. 18-20
Lost River Range, 1 mi. E. of Freighters Spring near Dickey,
Custer Co., Ida. Three Forks fm., Upper Devonian
- 3754 **?Pugnellus cypraeformis** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 67, pl. 9, fig. 4
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 3756 **?Pugnellus cypraeformis** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 67, pl. 9, fig. 6
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 3755 **Pugnellus** sp. Figured specimen
Olsson, B.A.P., v. 20, No. 69, 1934, p. 66, pl. 9, fig. 5
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 21683 **Pullenia quinqueloba** (Reuss) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 32, pl. 5, fig. 15
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25229 **Pullenia quinqueloba** (Reuss) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 34
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous

- 21348 **Pulvinulina menardii** (d'Orbigny) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 9, pl. 1, fig. 7
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene
- 21750 **Pulvinulina umbonata** (Reuss)
Cole, B.A.P., v. 14, No. 53, 1928. Included in original study collection.
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21698 **Pulvinulinella crassata densa** Cushman
Cole, B.A.P., v. 14, No. 51, 1927. Included in original study material.
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21617a **Pulvinulinella culter mexicana** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 31, pl. 1, fig. 15
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21617b **Pulvinulinella culter mexicana** Cole Paratype
Cole, B.A.P., v. 14, No. 51, 1927, p. 31, pl. 1, fig. 16
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 21749 **Pulvinulinella culter mexicana** Cole Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 15
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25227 **Pulvinulinella exigua obtusa** (Barrows and Holland) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 34
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co., N. J. Hornerstown fm., Eocene
- 25313 **Pulvinulinella harrisi** Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 7
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 2659 **Puncturella (Fissurisepta) altior** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 30, pl. 3, figs. 1, 8
Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
Type species of *Folia* Palmer, 1937 = *Altrix* Palmer, 1942, Jr. Pal., v. 16, No. 5, p. 674
- 2660 **Puncturella (Fissurisepta) altior** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 30, pl. 3, figs. 3, 6
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 20504 **Puncturella punctocostata** Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 11 (2 specimens)
Near 2d and Pacific streets, San Pedro, Los Angeles Co., Calif.
Lomita fm., lower Pleistocene
- 22596 **Puriana rugipunctata** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 89, pl. 11, figs. 5a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22597 **Puriana rugipunctata** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 89, pl. 11, figs. 5c, d
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22598 **Puriana rugipunctata** (Ulrich and Bassler) Hypotypes
McLean, B.A.P., v. 38, No. 167, 1957, p. 89
Powell's Lake Spillway, James City Co., Va. Yorktown fm., upper Miocene
- 22599 **Puriana rugipunctata** (Ulrich and Bassler) Hypotype
McLean, B.A.P., v. 38, No. 167, 1957, p. 89
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va. Yorktown fm., upper Miocene
- 2711 **Pyramidella bastropensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 78, pl. 7, fig. 20
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2712 **Pyramidella bastropensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 78, pl. 7, fig. 19
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2713 **Pyramidella bastropensis** Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 78, pl. 7, fig. 18
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2724 **Pyramidella (Ulfa) chavani** Palmer Syntype
(2725) Palmer, B.A.P., v. 7, No. 32, 1937, p. 73, pl. 8, figs. 2, 12
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2726 **Pyramidella (Ulfa) chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 73, pl. 8, figs. 13, 14, 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2727 **Pyramidella (Ulfa) chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 73, pl. 8, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene

- 2728 **Pyramidella (Ulfa) chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 73, pl. 8, fig. 19
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2729 **Pyramidella (Ulfa) chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 73, pl. 8, fig. 5
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2730 **Pyramidella (Ulfa) chavani** Palmer Syntype
Palmer, B.A.P., v. 7 No. 32, 1937, p. 73, pl. 8, fig. 6
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24730 **Pyramidella crenulata** (Holmes) Representative specimen
Perry and Schwengel, 1955, p. 118, pl. 23, fig. 154
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 2721 **Pyramidella (Longchaevus) larvata** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 71, pl. 7, figs. 31, 32
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2722 **Pyramidella (Longchaevus) larvata** Conrad Hypotype
(2723) Palmer, B.A.P., v. 7, No. 32, 1937, p. 71, pl. 7, figs. 33, 34
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4500 **Pyramidella (Syrnola) meyeri** Cossmann Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 225,
pl. 28, fig. 7
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 2703 **Pyramidella perexilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 75, pl. 7, fig. 4
Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2704 **Pyramidella perexilis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 75, pl. 7, fig. 5
Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2699 **Pyramidella (Syrnola) propeacicula** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 79, pl. 7, fig. 2
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2700 **Pyramidella (Syrnola) propeacicula** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 79, pl. 7, fig. 3
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene

- 2701 **Pyramidella (Syrnola) propeacicula** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 79, pl. 7, fig. 10
Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2702 **Pyramidella (Syrnola) propeacicula** Cossmann Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 79, pl. 7, fig. 11
Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2714 **Pyramidella pseudopygmaea** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 77, pl. 7, fig. 25
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2715 **Pyramidella pseudopygmaea** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 77, pl. 7, fig. 28
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2716 **Pyramidella pseudopygmaea** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 77, pl. 7, fig. 29
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2717 **Pyramidella pseudopygmaea** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 77, pl. 7, fig. 30
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 2718 **Pyramidella pseudopygmaea** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 77, pl. 7, fig. 35
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.
Stone City beds, middle Claiborne gr., middle Eocene
- 20263 **Pyramidella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 1286, depth 3838-3852 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulía, Ven. La Rosa
fm., lower Miocene
- 3021 **Pyramimitra olssoni** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 275, pl. 37, figs. 8, 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3023 **Pyramimitra terebraeformis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 274, pl. 37, figs. 12, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3024 **Pyramimitra terebraeformis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 274, pl. 37, fig. 14
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene

- 3025 **Pyramimitra terebraeformis** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 274, pl. 37, fig. 15
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4669 **Pyramimitra terebraeformis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 352,
pl. 45, fig. 10
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 4670 **Pyramimitra terebraeformis** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 352,
pl. 45, fig. 11
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 196 **Pyrazisinus harrisi** Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 66, pl. 28, fig. 2
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 197 **Pyrazisinus harrisi** Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 66, pl. 28, fig. 2a
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 4959 **Pyrazus peruvianus** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 83, pl. 13, fig. 12 (broken
prior to 1956)
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 24798 **Pyrene albella iontha** (Ravenel) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 147, pl. 32, fig. 227;
Perry and Schwengel, 1955, p. 158, pl. 32, fig. 227
Sanibel, Lee Co., Fla. Recent
See *Mitrella albella iontha* Ravenel
- 24904 **Pyrene albella iontha** (Ravenel) Hypotype
Perry and Schwengel, 1955, p. 159, pl. 50, fig. 344 (egg capsule
and embryonic shell)
Sanibel, Lee Co., Fla. Recent
- 24799 **Pyrene lunata** (Say) Representative specimen
Perry and Schwengel, 1955, p. 159, pl. 32, fig. 228
Sanibel, Lee Co., Fla. Recent
- 21665 **Pyrgo** sp. Figured specimen
Cole, B.A.P., v. 14, No. 51, 1927, p. 13, pl. 4, fig. 15
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guav-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 24843 **Pyrgocythara hemphilli** Bartsch and Rehder
Representative specimen
Perry and Schwengel, 1955, p. 186, pl. 38, fig. 269
Tarpon Bay, Sanibel, Lee Co., Fla. Recent

- 17 **Pyropsis perula** Aldrich Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 90, pl. 9, fig. 2
 Dale's Branch, Wilcox Co., Ala. Naheola fm., upper
 Midway gr., Paleocene
- 4720 **cf. Pyropsis** sp. Figured specimen
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 353,
 pl. 51, figs. 12, 13
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
 Jackson gr., upper Eocene
- 1081 **Pyrula carbacea** (Guppy) Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 224, pl. 41, fig. 5
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
 upper Miocene
- 3517 **Pyrula jamesi** Olsson Paratype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 9, pl. 5, fig. 16
 Kings Mill, James R., James City Co., Va. Yorktown
 fm., upper Miocene
- Pyrula jamesi** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 9, pl. 5, figs. 14, 15
 (missing prior to 1937)
 Kings Mill, James R., James City Co., Va. Yorktown
 fm., upper Miocene
- 24534 **Pyrula juvenis** Whitfield Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 102, pl. 10, fig. 5
 Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
 Alabama R., Wilcox Co., Ala. Naheola fm., upper
 Midway gr., Paleocene
- 3656 **Pyrula otaria** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 76, pl. 17, fig. 3
 Near Negritos, Dept. of Piura, Peru Talara fm., lower
 upper Eocene
- 1085 **Pyrula trinitaria** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 222, pl. 41, fig. 9
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
 upper Miocene
- 1088 **Pyrula trinitaria** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 222, pl. 41, fig. 12
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
- 21638a **Quinqueloculina hermosa** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 13, pl. 2, fig. 27
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene

- 21638b *Quinqueloculina hermosa* Cole Paratype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 13, pl. 2, fig. 28
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
 bal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 22088 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22089 *Quinqueloculina seminula* (Linnaeus) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, base of bank, James City Co., Va.
 Yorktown fm., upper Miocene
- 22090 *Quinqueloculina seminula* (Linnaeus) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321, pl. 37, figs. 14a, b
 Moore House Beach, 6 ft. up bank, York Co., Va.
 Yorktown fm., upper Miocene
- 22091 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Moore House Beach, base of bank on beach, York Co., Va.
 Yorktown fm., upper Miocene
- 22092 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321, pl. 37, figs. 12a, b
 Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.),
 SE. Va. Yorktown fm., upper Miocene
- 22093 *Quinqueloculina seminula* (Linnaeus) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
 SE. Va. Yorktown fm., upper Miocene
- 22094 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, bank base lower beach, James City Co., Va.
 Yorktown fm., upper Miocene
- 22095 *Quinqueloculina seminula* (Linnaeus) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, 10 ft. up bank upper beach, James City Co.,
 Va. Yorktown fm., upper Miocene
- 22096 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 22097 *Quinqueloculina seminula* (Linnaeus) Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321
 Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 22098 *Quinqueloculina seminula* (Linnaeus) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 321

- Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22099 *Quinqueloculina seminula* (Linnaeus) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 321
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22100 *Quinqueloculina seminula* (Linnaeus) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 321
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22101 *Quinqueloculina seminula* (Linnaeus) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 321
Carter's Grove, basal gravel bed up beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22102 *Quinqueloculina seminula* (Linnaeus) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 321
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22103 *Quinqueloculina seminulanguolata* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 322, pl. 37, figs. 8a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22104 *Quinqueloculina seminulanguolata* McLean Paratypes
McLean, B.A.P., v. 36, No. 36, No. 160, 1956, p. 322
Crisfield Well, depth 287-300 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 22105 *Quinqueloculina* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 323
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22106 *Quinqueloculina* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 323, pl. 37, figs. 7a, b
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22107 *Quinqueloculina triloculiniforma* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 322, pl. 37, figs. 9a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22108 *Quinqueloculina triloculiniforma* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 322
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22109 *Quinqueloculina triloculiniforma* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 322
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22110 *Quinqueloculina triloculiniforma* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 322, pl. 37, figs. 10a-c
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22111 *Quinqueloculina triloculiniforma* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 322, pl. 37, fig. 11
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22112 *Quinqueloculina triloculiniforma* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 322
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22113 *Quinqueloculina triloculiniforma* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 322
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22114 *Quinqueloculina wheeldoni* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 323, pl. 37, figs. 13a-c
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22115 *Quinqueloculina wheeldoni* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 323
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 1848 *Raetomya schweinfurthi* (Mayer-Eymar), Caster, not Mayer-
Eymar Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 25,
pl. 3, fig. 4
From 85.7 km. from Luanda on the Luanda-Malange R.R. be-
tween Cachari and Barraca, Angola (loc. S 7) Quim-
briz fm., Eocene [Miocene, Darteville and Roger, 1954]
See *Platyodon klinghardti* (J. Bohm), Darteville and Roger,
1954
- 1896 *Raetomya schweinfurthi* (Mayer-Eymar) Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 25
pl. 6, figs. 1, 2
Cliffs N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1)
Quimbriz fm., Eocene [Miocene, Darteville and Roger,
1954]
- 1897 *Raetomya schweinfurthi* (Mayer-Eymar) Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 25,
pl. 6, figs. 3, 4
Cliffs N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1)
Quimbriz fm., Eocene [Miocene, Darteville and Roger,
1954]
- 5059 *Rafinisquina champlainensis* Raymond Holotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 37, pl. 18, figs. 5, 6
Crown Point, Essex Co., N. Y. Chazy ls., Chazyan,
lower Champlainian (Middle) Ordovician

- 25147 *Ramulina globulifera* H. B. Brady Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 13
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 22688 *Ramulina globulifera* H. B. Brady Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 174, pl. 11, fig. 15
(S-815, 2 specimens)
Rt. bank of Onion Cr., near bridge at Moore and Berry's
Crossing, 8.5 mi. SE. of capitol in Austin, Travis Co., Tex.
Taylor gr., Campanian, Upper Cretaceous
- 461 *Rangia quadricentennialis* Harris Syntype
Harris, B.A.P., v. 1, No. 3, 1895, p. 11, pl. 2, figs. 2, 2b (not
Tex. State Mus. as indicated in text)
Galveston Deep Well (1891-1892), depth 2100-2249 ft., Galves-
ton Co., Tex. Miocene
- 462 *Rangia quadricentennialis* Harris Syntype
Harris, B.A.P., v. 1, No. 3, 1895, p. 11, pl. 2, fig. 2a (not Tex.
State Mus. as indicated in text)
Galveston Deep Well (1891-1892), depth 2100-2249 ft., Galves-
ton Co., Tex. Miocene
- 463 *Rangia quadricentennialis* Harris Syntype
Harris, B.A.P., v. 1, No. 3, 1895, p. 11, pl. 2, fig. 2c (not Tex.
State Mus. as indicated in text)
Galveston Deep Well (1891-1892), depth 2100-2249 ft., Galves-
ton Co., Tex. Miocene
- 5066 *Raphistoma lenticulare* Emmons Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 40, pl. 19, figs. 7, 8
Crown Point, Essex Co., N. Y. Black R. ls., Mohawkian,
middle Champlainian (Middle) Ordovician
- 5381 *Raphistoma obtusa* Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 13, pl. 15, probably figs.
7-9
Ft. Hunter, Montgomery Co., N. Y. "Caliciferous",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5382 *Raphistoma obtusa* Cleland Paratypes
Cleland, B.A.P., v. 3, No. 13, 1900, p. 13, (7 specimens)
Ft. Hunter, Montgomery Co., N. Y. "Caliciferous",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 2581 *Raphitoma (Microsureula) carla* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 77, pl. 13, fig. 18
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2582a *Raphitoma (Microsureula) carolia* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 76, pl. 13, fig. 17
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene

- 2582b *Raphitoma (Microsureula) carolia* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 76, pl. 13, fig. 17a
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 2586 *Raphitoma liddlei* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 78, pl. 13, fig. 24
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2583 *Raphitoma (Microsureula) nucleola veatchi* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 77, pl. 13, fig. 19
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2585 *Raphitoma (Microsureula) pannekoekae* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 78, pl. 13, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2587 *Raphitoma rebecca* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 79, pl. 13, fig. 25
Sabine R., Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35, T.
5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129)
Stone City beds, middle Claiborne gr., middle Eocene
(Stenzel, Krause, and Twining, 1957, p. 66)
- 2584a *Raphitoma sabinia* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 78, pl. 13, fig. 22
Sabine R., Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35, T.
5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129)
Stone City beds, middle Claiborne gr., middle Eocene
(Stenzel, Krause, and Twining, 1957, p. 66)
- 2584b *Raphitoma sabinia* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 78, pl. 13, fig. 23
Sabine R., Tex. side opposite SW. corner SE. $\frac{1}{4}$ Sec. 35 T.
5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902, p. 129)
Stone City beds, middle Claiborne gr., middle Eocene
(Stenzel, Krause, and Twining, 1957, p. 66)
- 2580a *Raphitoma (Microsureula) venusta* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 76, pl. 13, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2580b *Raphitoma (Microsureula) venusta* (Lea) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 76, pl. 13, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 22482 *Rectocibicidella robertsi* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 370, pl. 49, figs. 13a-e
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22483 *Rectocibicidella robertsi* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 370, pl. 49, fig. 12
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 20721 *Reophax bendensis* Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 226, pl. 17, fig. 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Bank on E. side of San Saba-Llano highway, near top of slope
S. of 1st Simpson Cr. crossing, 2.6 rd. mi. S. of traffic light on
Main St., San Saba, San Saba Co., Tex. Marble Falls
fm., Lower Pennsylvanian
- 20722 *Reophax bendensis* Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 226, pl. 17, fig. 8;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Bank on E. side of San Saba-Llano highway, near top of slope
S. of 1st Simpson Cr. crossing, 2.6 rd. mi. S. of traffic light on
Main St., San Saba, San Saba Co., Tex. Marble Falls
fm., Lower Pennsylvanian
- 20723 *Reophax bendensis* Plummer Paratype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 226, pl. 17, fig. 7;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Bank on E. side of San Saba-Llano highway, near top of slope
S. of 1st Simpson Cr. crossing, 2.6 rd. mi. S. of traffic light on
Main St., San Saba, San Saba Co., Tex. Marble Falls
fm., Lower Pennsylvanian
- 20724 *Reophax emaciatius* Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 227, pl. 17, fig. 18;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Exposure of sh. and ss. E. of cattle tank 0.1 mi. W. of San-
Saba-Neal Highway 12.7 rd. mi. NNW. of Main St., San Saba
Co., Tex. Strawn gr., Middle Pennsylvania
- 20725- *Reophax emaciatius* Plummer Paratypes
20728 Plummer, Univ. Tex. Publ. 4401, 1945, p. 227, pl. 17, figs. 19-22;
Marks, Micropal., v. 6, No. 4, 1952, p. 38
Exposure of sh. and ss. on E. side of San Saba-Regency high-
way, 11.05 rd. mi. NW. of bridge over San Saba R., in N.
edge of San Saba, and 1.4 rd. mi. SE. of Neal, San Saba Co.,
Tex. Strawn gr., Middle Pennsylvanian
- 20729 *Reophax expatiatius* Plummer Holotype
Plummer, Univ. Tex. Publ. 4401, 1945, p. 228, pl. 17, fig. 4;
Marks, Micropal., v. 6, No. 4, 1952, p. 39
Exposure of sh. and ss. on E. side of San Saba-Regency high-
way, 11.05 rd. mi. NW. of bridge over San Saba R., in N.
edge of San Saba, and 1.4 rd. mi. SE. of Neal, San Saba Co.,
Tex. Strawn gr., Middle Pennsylvanian
- 20730- *Reophax expatiatius* Plummer Paratypes
20731 Plummer, Univ. Tex. Publ. 4401, 1945, p. 228, pl. 17, figs. 5, 6;
Marks, Micropal., v. 6, No. 4, 1952, p. 39
Exposure of sh. and ss. on E. side of San Saba-Regency high-
way 11.05 rd. mi. NW. of bridge over San Saba R., in N.
edge of San Saba, and 1.4 rd. mi. SE. of Neal, San Saba Co.,
Tex. Strawn gr., Middle Pennsylvanian

- 20732 *Reophax minutissimus* Plummer Holotype
 Plummer, Univ. Tex. Publ. 4401, 1945, p. 230, pl. 17, fig. 25;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of
 crossroads in N. edge of Algerita, San Saba Co., Tex.
 Strawn gr., Middle Pennsylvanian
- 20733 *Reophax minutissimus* Plummer Paratype
 Plummer, Univ. Tex. Publ. 4401, 1945, p. 230, pl. 17, fig. 30;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Ditch on S. side of San Saba-Rochelle highway 1.55 rd. mi. E.
 of crossroads at N. edge of Algerita, San Saba Co., Tex.
 Smithwick fm., Lower Pennsylvanian
- 20734 *Reophax minutissimus* Plummer Paratype
 Plummer, Univ. Tex. Publ. 4401, 1945, p. 230, pl. 17, fig. 26;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank on N. side of old San Saba-Lampasas highway at top
 of hill 7.5 rd. mi. E. of courthouse in San Saba, now 0.3 mi.
 S. of new highway, San Saba Co., Tex. Strawn gr.,
 Middle Pennsylvanian
- 20735- *Reophax minutissimus* Plummer Paratypes
 20737 Plummer, Univ. Tex. Publ. 4401, 1945, p. 230, pl. 17, figs. 27-29;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank on N. side of old San Saba-Lampasas highway at top
 of hill 7.5 rd. mi. E. of courthouse in San Saba, now 0.3 mi.
 S. of new highway, San Saba Co., Tex. Strawn gr.,
 Middle Pennsylvanian
- 21722 *Reophax nevini* Cole Holotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 5, pl. 3, fig. 9
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 20738 *Reophax tumidulus* Plummer Holotype
 Plummer, Univ. Tex. Publ. 4401, 1945, p. 231, pl. 17, fig. 31;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE.
 of crossroads in N. edge of Algerita, San Saba Co., Tex.
 Strawn gr., Middle Pennsylvanian
- 5093 *Reticularia praematura* (Hall) Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 2, fig. 1
 Three-quarters mi. E. of monument at Cobham, Warren Co.,
 Pa. Oswayo fm., Conewango stage, Upper Devonian
- 5097 *Reticularia praematura* (Hall) Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 2, fig. 5; pl. 5,
 fig. 7
 Three-fourths mi. E. of Glade, Warren Co., Pa.
 Oswayo fm., Conewango stage, Upper Devonian
- 5102 ?*Reticularia praematura* (Hall) Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 3, fig. 1
 Three-fourths mi. E. of the monument at Cobham, Warren
 Co., Pa. "Venango Stage" (Caster, 1937), Conewango
 stage, Upper Devonian

- 5109 *Reticularia praematura* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 3, fig. 8
Three-fourths mi. E. of monument at Cobham, Warren Co.,
Pa. "Venango stage" (Caster, 1937), Conewango stage,
Upper Devonian
- 5171 *Reticularia praematura* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 11, fig. 3
Near monument at Cobham, Warren Co., Pa. Corry
ss. ("Venango First Oil sd."), Lower Mississippian
- 5172 *Reticularia praematura* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 11, fig. 4
W. side of Robbins Hill, Cattaraugus Co., N.Y. Knapp
fm., Lower Mississippian
- 5174 *Retizia* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 11, figs. 7-12
Stoneham, Warren Co., Pa. Corry ss. ("Venango
First Oil sd."), Lower Mississippian
See also *Rhynchospirina* sp.
- 25429 *Reusella yumuriana* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 303, pl. 52, figs. 9, 10 [D.K.P. slide 191.9-18 (69)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 3880 *Rhinoclavis (Hopkinsiana) costata* (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 6, fig. 8
Negritos, Dept. of Piura, Peru Salina fm.*, lower
Eocene
Type species of *Hopkinsiana* Olsson, 1929
- 3882 *Rhinoclavis (Hopkinsiana) costata* (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 6, fig. 10
Negritos, Dept. of Piura, Peru Salina fm.*, lower
Eocene
- 3883 *Rhinoclavis (Hopkinsiana) costata* (Woods) Hypotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 18, pl. 6, fig. 11
Negritos, Dept. of Piura, Peru Salina fm.*, lower
Eocene
- 4915 *Rhinotamides rudis* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 81, pl. 13, fig. 13
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
- 4916 *Rhinotamides rudis* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 81, pl. 13, fig. 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower-middle zone, Maestrichtian
Type species of *Rhinotamides* Olsson, 1944
- 5977 *Rhipidomella liddlei* Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 56, pl. 4, fig. 1

Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian

- 5978 *Rhipidomella liddlei* Harris Paratype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 56, pl. 4, fig. 2
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5979, *Rhipidomella liddlei* Harris Paratypes
5980 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 56, pl. 4, figs. 3, 3a
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5210 *Rhipidomella* aff. *micheline* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 15, fig. 14
Glade, Warren Co., Pa. Conewango stage, Upper
Devonian
- 5205 *Rhipidomella* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 15, fig. 9
E. of monument at Cobham, Warren Co., Pa. Corry
ss. ("Venango First Oil sd."), Lower Mississippian
- 5212 *Rhipidomella* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 8, pl. 15, fig. 16
Glade, Warren Co., Pa. Conewango stage, Upper
Devonian
- 4953 *Rhombopsis meridionalis* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 99, pl. 15, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4954 *Rhombopsis meridionalis* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 99, pl. 15, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 5170 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 11, fig. 2
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper Devonian
- 5182 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 13, figs. 1, 3
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper De-
vonian
- 5183 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 13, fig. 2
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper De-
vonian

- 5184 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 13, fig. 4
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper De-
vonian
- 5185 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 13, fig. 5
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper De-
vonian
- 5186 *Rhynchospirina scansa* (Hall) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 39, pl. 13, fig. 6
In R.R. cut along a spur line, 2 mi. W. of Smethport, McKean
Co., Pa. Oswayo fm., Conewango stage, Upper Devonian
- 5174 *Rhynchospirina* sp.
See *Retzia* sp. for reference. Specimen determined as *Retzia*
or *Rhynchospirina* by Caster, 1930
- 5417 *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, figs. 5, 6; pl. 8,
figs. 5, 6 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5417A *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 11, fig. 9
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5418 *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, figs. 7, 8; pl. 6,
fig. 14 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5419 *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, fig. 9; pl. 8,
fig. 12 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5420 *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, fig. 10
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5421 *Rhytistrophia caribbeana colombia* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, figs. 11, 12
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 5412A *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 8, figs. 8, 9
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5421B *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 8, fig. 7
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5421C *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 8, figs. 10, 11
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5436 *Rhytistrophia caribbeana colombia* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 87, pl. 5, fig. 13
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5077 *?Ribeiria nuculitiformis* Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 21, pl. 16, fig. 10
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5078 *?Ribeiria nuculitiformis* Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 21, pl. 16, fig. 11
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5079 *?Ribeiria nuculitiformis* Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 21, pl. 16, figs. 12, 14
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5080 *?Ribeiria nuculitiformis* Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 21, pl. 16, fig. 13; Fisher
G. S. A. Bull., v. 65, No. 1, 1954, p. 87, pl. 4, fig. 14
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 5081 *?Ribeiria nuculitiformis equilatera* Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 22, pl. 16, fig. 15
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordo-
vician
- 2142 *Rimella peruviana* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 93, pl. 21, fig. 4

Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene

- 4025 *Ringicula (Ringiculella) costaricensis* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 79, pl. 6, figs. 7, 8
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 1910 *Ringicula hughesae* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 32,
pl. 7, fig. 15 (missing prior to 1939)
Just N. of mouth of Luculo R. (green sands), Quimbriz,
Angola (loc. S 2) Quimbriz fm., Eocene [Miocene,
Dartevelle and Roger, 1954]
- 3356 *Ringicula trapaquara deusseni* Gardner Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 477, pl. 73, fig. 7
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3357 *Ringicula trapaquara deusseni* Gardner Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 477, pl. 73, fig. 10
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3358 *Ringicula trapaquara deusseni* Gardner Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 477, pl. 73, fig. 11
Sabine R. Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 3359 *Ringicula trapaquara deusseni* Gardner Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 477, pl. 73, fig. 13
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24750 *Rissoina bryerea* (Montagu) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 122, pl. 25, fig. 177;
Perry and Schwengel, 1955, p. 132, pl. 25, fig. 177
Sanibel, Lee Co., Fla. Recent
- 24896 *Rissoina laevigata* (C. B. Adams) Hypotype
Perry and Schwengel, 1955, p. 133, pl. 48, fig. 332
Sanibel, Lee Co., Fla. Recent
- 21656 *Robulus alatolimbatus†* (Gumbel) Hypotype
Cole, B.A.P., vol. 14, No. 51, 1927, p. 18, pl. 4, fig. 1
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25186 *Robulus aldrichi* Sandidge Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 15
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous

- 21619 **Robulus articulatus** (Reuss) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 18, pl. 1, fig. 18
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25188 **Robulus convergens** (Bornemann) Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 16
 Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt, Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 21621 **Robulus mexicanus** (Cushman) Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 18, pl. 1, fig. 20
 Twelve km. W. ("Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 25187 **Robulus navarroensis** (Plummer) Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 15
 Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co., N. J. Navesink fm., Upper Cretaceous
- 21723 **Robulus plummerae** Cole Holotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 8, pl. 3, fig. 10
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex. Chapapote fm., upper Eocene
- 21609 **Robulus pseudocultratus** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 19, pl. 1, fig. 5
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera, Cruz, Mex. Guayabal fm., middle Eocene
- 22134 **Robulus pseudoiota** McLean Holotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 325, pl. 38, figs. 2a-c
 Ft. Eustis Well, depth 135-160 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22135 **Robulus pseudoiota** McLean Paratype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 325, pl. 38, fig. 4
 Carter's Grove, bank base lower beach, James City Co. Va., Yorktown fm., upper Miocene
- 21615 **Robulus pseudovortex** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 19, pl. 1, fig. 12
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera, Cruz, Mex. Guayabal fm., middle Eocene
- 22136 **Robulus** sp. Figured specimen
 McLean, B.A.P., v. 36, No. 160, 1956, p. 327, pl. 38, fig. 1
 Carter's Grove, bank base lower beach, James City Co., Va. Yorktown fm., upper Miocene
- 22137 **Robulus** sp. Unfigured specimen
 McLean, B.A.P., v. 36, No. 160, 1956, p. 327
 Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene

- 22138 *Robulus vaughani* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 326, pl. 38, figs. 3a, b, 5, 7
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22139 *Robulus vaughani* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 326
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22140 *Robulus vaughani* (Cushman) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 326
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22141 *Robulus vaughani* (Cushman) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 326, pl. 38, figs. 8, 9
Carter's Grove, 10 ft. up bank upper beach, James City Co. Va.,
Yorktown fm., upper Miocene
- 3515 *Rochefortia* (*Pythinella*) *filicaticola* Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 18, pl. 5, figs. 10-12
James R., 5 mi. N. of Smithfield, Nansemond Co., Va.
Yorktown fm., upper Miocene
- 24977 *Rostellaria dentata* Grateloup Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 33, pl. 1, fig. 7
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola
Miocene
- 24978 *Rostellaria dentata* Grateloup Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 33
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola
Miocene
- 24976 *Rostellaria* sp. Figured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 34, pl. 1, fig. 6
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola
Miocene
- 21659 *Rotalia dorri* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 29, pl. 4, figs. 5, 6
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 22364 *Rotalia limbatobeccarii* McLean Syntypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 357
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene
- 22365 *Rotalia limbatobeccarii* McLean Syntypes
McLean, B.A.P., v. 36, No. 160, 1956 p. 357
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene

- 22366 *Rotalia limbatobeccarii* McLean Syntypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 357, pl. 47, figs. 6a, b
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene
- 22367 *Rotalia limbatobeccarii* McLean Syntype
McLean, B.A.P., v. 36, No. 160, 1956, p. 357, pl. 47, figs. 8a, b
(not P.R.I. No. 22366 as in expl. of pl.)
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene
- 22368 *Rotalia limbatobeccarii* McLean Syntype
McLean, B.A.P., v. 36, No. 160, 1956, p. 357, pl. 47, figs. 5a-e
Moore House Beach, base of bank of beach, York Co., Va.
Yorktown fm., upper Miocene
- 22369 *Rotalia limbatobeccarii* McLean Syntypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 357, pl. 47, figs. 7a, b
Moore House Beach, 4 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 21720 *Rotaliatina mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 15, pl. 3, figs. 3, 4
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21751 *Rotaliatina mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 15
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- Rotularia clymenoides* Guppy Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 104, pl. 18, figs. 8, 9 (lost prior to 1937)
Farallon Rock, Gulf of Paria, 1 mi. W. of Bontour Point, W. Naparima Ward, W. Victoria Co., Trinidad, W. I.
upper Eocene
- 3737 *Roudaireia auressensis* Coquand Hypotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 39, pl. 6, fig. 1
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 3737a *Roudaireia auressensis* Coquand Hypotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 39, pl. 6, fig. 6 (missing prior to 1937)
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- 3738 *Roudaireia auressensis* Coquand Hypotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 39, pl. 6, fig. 2
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru
Monte Grande fm., Maestrichtian
- Roudaireia auressensis boutourensis* Harris Holotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 97, pl. 17, fig. 4 (lost prior to 1937)

- 21291 *Sanguinolaria alouatta* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 260, pl. 29, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene

- 4108 *Sanguinolaria azulensis* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 42, pl. 5, fig. 8 (not 5008 as in text)
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 1953 *Sanguinolaria tumbezana* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 65, pl. 3, fig. 1
N. side of Cerro Verde, Dept. of Tumbes, Peru Punta
Bravo grit, Mancora fm., middle Oligocene
- 1956 *Sanguinolaria tumbezana* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 65, pl. 3, fig. 4
N. side of Cerro Verde, Dept. of Tumbes, Peru Punta
Bravo grits, Mancora fm., middle Oligocene
- 20042 *Saracenaria cushmani* D. K. Palmer Holotype
Palmer, B.A.P., v. 29, No. 115, 1945, p. 38, pl. 1, figs. 5a, 5b
Road uphill (to formerly Capt. Baker's house) off of road from Bowden P. O. to United Fruit Co. wharf, Port Morant, St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 22155 *Saracenaria* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 329, pl. 38, figs. 6a, b
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 4800 *Sauvagesia peruviana* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 48, pl. 8, figs. 1, 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., Maestrichtian
- 4800a *Sauvagesia peruviana* Olsson Paratypes
Olsson, B.A.P., v. 28, No. 111, 1944, p. 48 (2 specimens)
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., Maestrichtian
- 4801 *Sauvagesia peruviana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 48, pl. 8, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., Maestrichtian
- 4802 *Sauvagesia peruviana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 48, pl. 8, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., Maestrichtian
- 4803 *Sauvagesia peruviana* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 48, pl. 8, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., Maestrichtian
- 861 *Saxicava trinitaria* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 96, pl. 18, fig. 8
S. $\frac{1}{4}$ mi. of 6th mi. post on Freeport-Todd's rd., Monserrat Ward, SE. Caroni Co., Trinidad, W. I. upper Miocene

- 3960 *Saxolucina (Megaxinus) anodonta* (Say) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 53, pl. 10, fig. 5
S. of Jones Wharf, St. Marys Co., Md. Choptank fm.,
lower middle Miocene
- 3966 *Saxolucina (Megaxinus) foremani* (Conrad) Hypotype
Schoonover, B.A.P., v. 25, No. 94B, 1940, p. 53, pl. 11, fig. 5
S. of old Plum Point Wharf, Calvert Co., Md. Calvert
fm., lower middle Miocene
- 1368 *Scala dupliniana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 15, pl. 1, fig. 14
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1360 *Scala lineata magnoliiana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 16, pl. 1, fig. 5
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1363 *Scala sheldoni* Olsson Holotype and unfigured paratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 15, pl. 1, fig. 9
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 1369 *Scala sheldoni* Olsson Faratype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 15, pl. 1, fig. 15
Kings Mill, James City Co., Va. Yorktown fm., upper
Miocene
- 1380 *Scala* sp. Figured specimen
Harris, B.A.P., v. 3, No. 11, 1899, p. 96, pl. 12, fig. 8
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Rudiscala harrisi* Palmer
- 3467 *Scala virginiae* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 29, pl. 7, fig. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 2733 *Scalina trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 103, pl. 8, fig. 26
Exact locality lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 2734 *Scalina trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 103, pl. 8, fig. 29
Exact locality lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 2735 *Scalina trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 103, pl. 8, fig. 31
Exact locality lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 2736 *Scalina trapaquara* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 103, pl. 8, fig. 30

Six mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene

- 2737 *Scalina trapaquara adamsi* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 104, pl. 8, figs. 27, 28
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 2732 *Scalina trapaquara engona* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 103, pl. 8, fig. 21
Wautubbee, Clark Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 20015 *Scaphander jacksonensis* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 449, pl. 64, fig. 6
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 20016 *Scaphander jacksonensis* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 449
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 20017 *Scaphander jacksonensis* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 449, pl. 64, fig. 7
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- Scaphander ligniticus* Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 8, pl. 1, fig. 10 (lost prior to 1937)
Locality not designated Wilcox [Sabine] gr., lower Eocene
- Scapharca*. See also *Arca*
- 22896 *Scapharca chiriquiensis bolivari* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 4 (not paratype as expl. pl.)
Four km. E. of Esperanza, Dept. of Bolívar, Col. middle Miocene
- 22897 *Scapharca chiriquiensis bolivari* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 5
Four km. E. of Esperanza, Dept. of Bolívar, Col. middle Miocene
- 22898 *Scapharca chiriquiensis bolivari* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 6
Four km. E. of Esperanza, Dept. of Bolívar, Col. middle Miocene
- 22899 *Scapharca chiriquiensis bolivari* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 7
Four km. E. of Esperanza, Dept. of Bolívar, Col. middle Miocene

- 22900 *Scapharca chiriquiensis bolivari* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, figs. 8, 9
Four km. E. of Esperanza, Dept. of Bolívar, Col.
middle Miocene
- 22894 *Scapharca grandis cedralensis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 2 (not
paratype as on expl. of pl.)
Near Cedral, Dept. of Atlantico, Col. middle-upper
Miocene
- 22895 *Scapharca grandis cedralensis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 3 (not
paratype as on expl. of pl.)
Near Cedral, Dept. of Atlantico, Col. middle-upper
Miocene
- 22893 *Scapharca grandis colombiensis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 8, pl. 1, fig. 1 (not
paratype as on expl. of pl.)
Near Usiacuri, Dept. of Atlantico, Col. middle-upper
Miocene
- 22893a *Scapharca grandis colombiensis* Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 5
Near Usiacuri, Dept. of Atlantico, Col. middle-upper
Miocene
- 22901 *Scapharca pitteri* Dall Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 9, pl. 1, figs. 10, 11
Between Sibarco and Piedras de Afilar, Dept. of Atlantico,
Col. middle Miocene
- 21123 *Scaphella costaricana* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 100, pl. 15, fig. 13
Cocles Creek, Limon Prov., C. R. Uscari fm., lower
Miocene
- 264 *Scaphella demissa* (Conrad) "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 36, pl. 4, fig. 6
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 265 *Scaphella demissa* (Conrad) "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 36, pl. 4, fig. 7
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- Scaphella heilprini* Dall Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 36, pl. 4, fig. 5 (lost prior
to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 24813 *Scaphella junonia* (Shaw) Representative specimen
Perry and Schwengel, 1955, p. 171, pl. 36, fig. 241
Cedar Keys, Levy Co., Fla. Recent

- 95 **Scaphella showalteri** (Aldrich) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 81, pl. 7, fig. 21
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 96 **Scaphella** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 82, pl. 7, fig. 23
One half mi. N. of Ripley, Tippah Co., Miss. Midway
gr., Paleocene
- 5463 **Schellwienella goldringae** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 116 pl. 7, fig. 1; pl. 8,
fig. 2 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W. on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5464, **Schellwienella goldringae** Caster Paratypes
5464A Caster, B.A.P., v. 24, No. 83, 1939, p. 116
Floresta, lat 5° 51' N.; long 72° 53' W. on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5465 **Schellwienella goldringae** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 116
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5466 **Schellwienella goldringae** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 116, pl. 7, fig. 2
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5467 **Schellwienella goldringae** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 116, pl. 7, fig. 3; pl. 8,
fig. 1 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5467A **Schellwienella goldringae** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 116, (missing prior to
1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5984 **Schellwienella goldringae** Caster Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 58, pl. 4, fig. 7
Float in Caño del Oeste branch of upper Río Cachirí, Dist. of
Maracaibo, St. of Zulia, Ven. Carboniferous or De-
vonian

- 5985 *Schellwienella goldringae* Caster Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 58, pl. 4, fig. 8
Float in Caño del Oeste branch of upper Río Cachimí, Dist. of
Maracaibo, St. of Zulia, Ven. Carboniferous or De-
vonian
- 5986 *Schellwienella goldringae* Caster Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 58, pl. 4, fig. 8a
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 5420C *Schellwienella goldringae juvenis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 119, pl. 9, figs. 16-19
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5465A *Schellwienella goldringae juvenis* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 119, pl. 8, figs. 3, 4, 18;
pl. 9, fig. 24
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5465C *Schellwienella goldringae juvenis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 119, pl. 9, figs. 12-15
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5467B *Schellwienella goldringae juvenis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 119, pl. 9, figs. 20-23
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 20743- *Schizammmina furcata* Heron-Allen and Earland Paratypes
20751 Heron-Allen and Earland, Roy. Micr. Soc., Jour., v. 49, pt. 2,
1929, p. 106, pl. 2, figs. 9-13; pl. 3, figs. 15, 16; Marks, Micro-
pal. v. 6, No. 4, 1952, p. 39
Dredging sample, "Discovery" Station 279, depth 58-67 m. off
Cape Lopez, French Equatorial Africa Recent
- 20752- *Schizammmina labyrinthica* Heron-Allen and Earland Paratypes
20754 Heron-Allen and Earland, Roy. Micr. Soc., Jour., v. 49, pt. 2,
1929, p. 104, pl. 1, figs. 3-5; pl. 2, figs. 6-8; pl. 3, fig. 14; Marks,
Micropal., v. 6, No. 4, 1952, p. 39
Dredging sample, "Discovery" Station 279, depth 58-67 m. off
Cape Lopez, French Equatorial Africa Recent
- 5293 *Schizodus* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 85, pl. 41, fig. 5
Glade, Warren Co., Pa. Salamanca fm., Conewango
stage, Upper Devonian

- 5208 *Schizophoria* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 9, pl. 15, fig. 12
E. of monument at Cobham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5209 *Schizophoria* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 9, pl. 15, fig. 13
E. of monument at Cobham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 21699 *Schizorthosecos interstitia* Lea Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 9
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 3766 *Schloenbachia leonora* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 78, pl. 10, figs. 2, 6
Quebrada Leonora, near Copa Sombrero, Dept. of Piura, Peru
Copa Sombrero fm., Albian
- Schloenbachia rhomifera* Gerhardt Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 96, pl. 16, fig. 6 (lost prior to 1937)
Stollmeyer Quarry, about 3 mi. NNE. of Point-a-Pierre, Point-a-Pierre Ward, NW. Victoria Co., Trinidad, W. I.
Lower Cretaceous
- 5206 *Schuchertella* cf. *chemungensis* (Conrad) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 15, fig. 10
At "Stoney Lonesome", in the pasture, 3/4 mi. E. of Cobham monument, Warren Co., Pa. Corry ss. ("Venango First Oil sd."), Lower Mississippian
- 5211 *Schuchertella chemungensis* (Conrad) Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 6, pl. 15, fig. 15
Black Creek, Hudson twp., Allegany Co., N. Y. Chada-koin, Cassadaga stage, Chautauquan series, Upper Devonian
- 6036 *Schuchertella chemungensis aretostresta* (Hall) Hypotype
Baldwin, B.A.P., v. 28, No. 110, 1943, p. 10, pl. 1, fig. 21
Lost River Range, 1 mi. E. of Freighters Spring near Dickey, Custer Co., Ida. Three Forks fm., Upper Devonian
- 21605 ?*Schuchertella* sp. aff. *sullivan* (Morris and Sharpe) Hypotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 12, pl. 3, fig. 2
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 20503 *Scissurella lyra* Berry Paratypes
Berry, B.A.P., v. 31, No. 127, 1947, p. 14 (2 specimens)
Near 2d and Pacific streets, San Pedro, Los Angeles Co., Calif. Lomita fm., lower Pleistocene
- 24198 *Scobinella (Mitratoma) bartsehi* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 38, pl. 4, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene

- 24199 *Scobinella (Mitratoma) bartschi* Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 38, pl. 4, fig. 7
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
 Type species of *Mitratoma* Olsson, 1930
- 24200 *Scobinella (Mitratoma) bartschi* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 38, pl. 4, fig. 8
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24201 *Scobinella (Mitratoma) bartschi* Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 38, pl. 4, fig. 9
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 2568 *Scobinella caelata* Conrad Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 70, pl. 12, fig. 18
 Vicksburg, Warren Co., Miss. Vicksburg gr., middle
 Oligocene
- 2562a *Scobinella (Moniliopsis) elaborata* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 67, pl. 12, fig. 1
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2562b *Scobinella (Moniliopsis) elaborata* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 67, pl. 12, fig. 2
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2562c *Scobinella (Moniliopsis) elaborata* (Conrad) Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 67, pl. 12, fig. 3
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2571 *Scobinella famelica* Casey Hypotype
 Harris, P. A., v. 2, No. 7, 1937, p. 71, pl. 12, fig. 23; Harris
 and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 437, pl. 61,
 figs. 1, 2
 Montgomery, Red R., Grant Par., La. Moodys Branch
 fm., lower Jackson gr., upper Eocene
- 2572 *Scobinella ferrosilica* Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 71, pl. 12, fig. 26
 Orangeburg, Orangeburg Co., S. C. McBean fm., upper
 Claiborne gr., middle Eocene
- 2563a *Scobinella (Moniliopsis) hammettensis* Harris Holotype
 Harris, P. A., v. 2, No. 7, 1937, p. 68, pl. 12, fig. 5
 NW. Louisiana, probably from Hammett's Branch, Bienville
 Par., La. Cook Mt. fm., upper Claiborne gr., middle
 Eocene
- 2563b *Scobinella (Moniliopsis) hammettensis* Harris Paratype
 Harris, P. A., v. 2, No. 7, 1937, p. 68, pl. 12, fig. 6
 NW. Louisiana, probably from Hammett's Branch, Bienville
 Par., La. Cook Mt. fm., upper Claiborne gr., middle
 Eocene

- 2563c *Scobinella* (*Moniliopsis*) *hammettensis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 68, pl. 12, fig. 7
NW. Louisiana, probably from Hammett's Branch, Bienville
Par., La. Cook Mt. fm., upper Claiborne gr., middle
Eocene
- 2570 *Scobinella louisianae* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 71, pl. 12, fig. 21
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4984 *Scobinella louisianae* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 437,
pl. 60, fig. 15
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4985 *Scobinella louisianae* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 437,
pl. 60, fig. 16
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4986 *Scobinella louisianae* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 437,
pl. 60, fig. 17
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2569 *Scobinella macer* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 70, pl. 12, fig. 20
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2150 *Scobinella meloda* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 120, pl. 21, fig. 12
Near Casa Saman, near Tangara, Chira Valley, Dept. of
Piura, Peru Chira fm., lower Oligocene
- 1026 *Scobinella morierei* (Laville in Cossmann) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 193, pl. 34, fig. 1
Brasso Venanda Ravine, 3 mi. E. of Brasso station, E. Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. Man-
zanilla fm., Miocene
- 20917 *Scobinella morierei* (Laville in Cossmann) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 79, pl. 4, fig. 3
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20918 *Scobinella morierei* (Laville in Cossmann) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 79, pl. 4, fig. 4
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2573 *Scobinella* (*Moniliopsis*) *nassiformis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 72, pl. 13, figs. 1, 2
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene

- 2564 *Scobinella newtonensis* Aldrich Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 68, pl. 12, figs. 11, 12;
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 436,
pl. 60, fig. 13
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2567 *Scobinella pluriplicata* Casey Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 70, pl. 12, fig. 17
Red Bluff [Hiwanee Staiton], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 2566 *Scobinella reticulatoides* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 69, pl. 12, fig. 14
Little Brazos, 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene (Stenzel,
1939, p. 854)
- 2565a *Scobinella transitionalis* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 69, pl. 12, fig. 13;
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 437,
pl. 60, fig. 14
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2565b *Scobinella transitionalis* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 69, pl. 12, fig. 14
Montgomery, Red R., Grant Par., La. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 21083 *Sconsia bocasensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 137, pl. 12, fig. 12
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21084 *Sconsia bocasensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 137, pl. 12, fig. 13
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21077 *Sconsia cocleana* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 138, pl. 12, fig. 7
Río Cocles, near Old Harbor, Limon Prov., C. R. Uscari
fm., lower Miocene
- 21074 *Sconsia laevigata gabbi* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 136, pl. 12, fig. 3
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2971 *Sconsia (Doloiocassis) nupera* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 253, pl. 31, figs. 12, 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3661 ?*Sconsia samanica* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 76, pl. 17, figs. 9, 10
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene

- 20455 *Sconsia* sp. Figured specimen
 Marks, B.A.P., v. 33, No. 39, 1951, p. 107, pl. 7, fig. 14
 Carrizal sec. N. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 3819 *Scutella camagüeyana* Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 56, pl. 5, figs. 13, 14
 In R. R. cut about 2 km. SE. of Nuevitas R. R. station, Cama-
 güey Prov., Cuba upper Eocene
- 3818 *Scutella cubae* Weisbord Holotype
 Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 55, pl. 5, figs. 10-12
 In R. R. cut about 2 km. SE. of Nuevitas R. R. station, Cama-
 güey Prov., Cuba upper Eocene
- 4908 *Sechuritella chacapoya* Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 4
 Tortuga, coast of Paita, Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4909 *Sechuritella chacapoya* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 3
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4903 *Sechuritella terebracineta* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 7
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4904 *Sechuritella terebracineta* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 8
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4905 *Sechuritella terebracineta* Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 10
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
 Type species of *Sechuritella* Olsson, 1944
- 4906 *Sechuritella terebracineta* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 11
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4907 *Sechuritella terebracineta* Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 77, pl. 11, fig. 14
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 24765 *Seila adamsii* (H. C. Lea) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 130, pl. 27, fig. 192;
 Perry and Schwengel, 1955, p. 1940, pl. 27, fig. 192
 Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 2955 *Seila constricta* (H. C. Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 222, pl. 30, fig. 5
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene

- 2956 *Seila constricta* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 222, pl. 30, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2957 *Seila constricta* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 222, pl. 30, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1238 *Semele australina* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 172, pl. 52, figs. 9, 9a, b
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 24681 *Semele bellastrata* (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 84, pl. 16, fig. 102
Six fm. off Sanibel, Lee Co., Fla. Recent
- 21288 *Semele claytoni* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 259, pl. 29, fig. 2
Hotel Creek, Limon Prov., C. R. Uscari fm., lower
Miocene
- 888 *Semele claytoni couvensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 118, pl. 21, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 21287 *Semele laevis costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 258, pl. 29, fig. 1
Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24047 *Semele laevis costaricensis* Olsson Hypotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
17, pl. 8, fig. 5
Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
upper middle Miocene
- 1235 *Semele linosa* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 170, pl. 52, fig. 1
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1236 *Semele linosa* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 170, pl. 52, fig. 2
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1237 *Semele linosa* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 170, pl. 52, figs. 3, 3a
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene

- 3498 *Semele nelliana* Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 15, pl. 3, figs. 5, 6
Peedee R., Florence Co., S. C. Duplin fm., upper Mio-
cene
- 24684 *Semele nuculoides* (Conrad) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 78, pl. 16, fig. 105;
Perry and Schwengel, 1955, p. 84, pl. 16, fig. 105
Sanibel, Lee Co., Fla. Recent
- 3482 *Semele perlamelloides* Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 37, pl. 9, fig. 8
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 899 *Semele proficula* (Pulteney) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 117, pl. 21, fig. 5
Beach W. of Bridgetown, Barbados, W. I. Recent
- 24682 *Semele proficula* (Pulteney) Representative specimen
Perry, B.A.P., v. 26, No. 95, 1940, p. 77, pl. 16, fig. 103;
Perry and Schwengel, 1955, p. 84, pl. 16, fig. 103
Sanibel, Lee Co., Fla. Recent
- 24685 *Semele proficula* (Pulteney) Representative specimen
Perry and Schwengel, 1955, p. 84, pl. 16, fig. 103
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- Semele profunda* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 171, pl. 52, figs. 7, 8
(lost prior to 1937)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 884 *Semele purpurascens* (Gmelin) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 117, pl. 20, fig. 17
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 24683 *Semele purpurascens* (Gmelin) Representative specimen
Perry and Schwengel, 1955, p. 84, pl. 16, fig. 104
Sanibel, Lee Co., Fla. Recent
- 24057 *Semele quirosana* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 17,
pl. 9, fig. 12
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24054 *Semele quirosana* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 17,
pl. 9, fig. 8
Oil seep at El Mene del Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21293 *Semele sayi* Toulia Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 258, pl. 29, fig. 8

- Sousi Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24048 **Semele zuliana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 17,
pl. 9, figs. 1, 3
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24049 **Semele zuliana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 17,
pl. 9, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 24050 **Semele zuliana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 17,
pl. 9, fig. 4
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 5903 **Semicoscinium colombiensis** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 15, pl. 4, fig. 3
Floresta, lat 5° 51' N.; long 72° 53' W. on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta
series, Middle Devonian
- 5904 **Semicoscinium colombiensis** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 15, pl. 4, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W. on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta
series, Middle Devonian
- 5905 **Semicoscinium colombiensis** McNair Paratype
McNair, B.A.P., v. 25, No. 93, 1940, p. 15, pl. 4, fig. 5
Floresta, lat 5° 51' N.; long 72° 53' W. on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta
series, Middle Devonian
- 5906 **Semicoscinium minutum** McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 16, pl. 4, fig. 6
(P.R.I. 5910, pl. 5, fig. 1 on reverse side of specimen)
Floresta, lat 5° 51' N.; long 72° 53' W. on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta
series, Middle Devonian
- 25362 **Senilia senilis** (Linnaeus) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 43, pl. 2, fig. 4
E. end of Rock Bluff, 18 km. S. of Luanda Fort, Angola
Miocene
- 25363 **Senilia senilis** (Linnaeus) Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954, p. 43, pl. 2, fig. 5
One half km. SE. of Rock Bluff, ?15 km. S. of Luanda Fort,
Angola Miocene

- 4611 *Serpulorbis chavani* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 299,
pl. 38, fig. 10
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4612 *Serpulorbis chavani* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 299,
pl. 38, fig. 11
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4613 *Serpulorbis chavani* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 299,
pl. 38, fig. 12
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 1079 *Serpulorbis decussatus* (Gmelin) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 224, pl. 41, fig. 3
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad,
W. I. Matura fm., Pliocene
- 21072 *Serpulorbis papulosus* (Guppy) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 145, pl. 12, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 22973 *Serpulorbis?* *papulosus* (Guppy) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 35, pl. 8, fig. 13
Between Las Perdices and Pto. Colombia or near Tubera,
Dept. of Atlantico, Col. Miocene
- 268 *Serpulorbis sylvaeurpis* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 73, pl. 10, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20316 *Sheldonella* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 6065 *Shizothaerus nuttallii* (Conrad) Hypotype
Palmer, E. L., Nature Magazine, v. 38, No. 4, 1945, p. 198, pl.
2, fig. 24
Coronado Beach, San Diego, San Diego Co., Calif.
Recent
- 1912 *Siderastrea wellsii* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 36,
pl. 8, fig. 1
About 5 km. N. of mouth of Luculo R. and S. of Cabeça de
Cobra at Quipayá, Angola (loc. S 4) Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]

- 1913 *Siderastrea wellsii* Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 36,
pl. 8, fig. 2
About 5 km. N. of mouth of Luculo R. and S. of Cabeça de
Cobra at Quipaya, Angola (loc. S 4) Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]
- 337 *Sigaretus bilix* Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 93, pl. 11, fig. 31
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 336 *Sigaretus declivis* Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 93, pl. 11, fig. 30; Harris,
La. Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 10
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 25387 *Sigmoilina schlumbergeri* Silvestri Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 125, pl. 17, figs. 15, 16 [D.K.P. slide 191.9-18 (1)]
Upper beds at Tejar "Zayas" about .25 km. N. of Carretera
Central just E. of junc. with Corral Nuevo-Matanzas rd.,
Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene,
Cole, 1958, p. 222]
- 22133 *Sigmoilina* sp. Figured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 325, pl. 37, figs. 3a, b
(not P.R.I. No. 22153 as in expl. of pl.)
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22216 *Sigmomorphina concava* (Williamson) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 18
Moore House beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22217 *Sigmomorphina concava* (Williamson) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 14
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22218 *Sigmomorphina nevifera* Clapp Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 4
Langley Field excavation, City of Hampton (no Co.), SE.
Va. Yorktown fm., upper Miocene
- 22219 *Sigmomorphina nevifera* Clapp Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 11
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22220 *Sigmomorphina nevifera* Clapp Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22221 *Sigmomorphina nevifera* Clapp Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22222 *Sigmomorphina nevifera* Clapp Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, base of bank lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22223 *Sigmomorphina nevifera* Clapp Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22224 *Sigmomorphina nevifera* Clapp Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22225 *Sigmomorphina nevifera* Clapp Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22226 *Sigmomorphina nevifera* Clapp Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 336, pl. 41, fig. 3
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22227 *Sigmomorphina nevifera* Clapp Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 336
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22228 *Sigmomorphina pearceyi* Cushman and Ozawa Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 337, pl. 41, figs. 13, 15
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22229 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22230 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22231 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337, pl. 41, fig. 19
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22232 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene

- 22233 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 337, pl. 41, figs. 20, 21
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22234 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337, pl. 41, fig. 12
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22235 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 337, pl. 41, figs. 22-24
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22236 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Fragmental beds, Yorktown Bluffs, York Co., Va.
Yorktown fm., upper Miocene
- 22237 *Sibmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22238 *Sigmomorphina semitecta terquemiana* (Fornasini) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 337
Powell's Lake Spillway, *Pecten* bed (top bed), James City Co., Va.
Yorktown fm., upper Miocene
- 25413 *Sigmomorphina* sp. Figured Specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940, p. 288, pl. 51, fig. 15 [D.K.P. slide 191.9-18 (46)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 22239 *Sigmomorphina williamsoni* (Terquem) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 338, pl. 42, figs. 1a-c
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22240 *Sigmomorphina williamsoni* (Terquem) Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 338, pl. 42, figs. 2-4
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 21075 *Siliquaria modesta limonensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 147, pl. 12, fig. 4
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 21076 *Siliquaria modesta limonensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 147, pl. 12, fig. 5
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene

- 21078 *Siliquaria modesta limonensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 147, pl. 12, fig. 6
Port Limon, Limon Prov., C. R. Gatun fm., middle
Miocene
- 24777 *Simnia uniplicata* (Sowerby) Representative specimen
Perry and Schwengel, 1955, p. 147, pl. 28, fig. 205
Reef at Sanibel, Lee Co., Fla. Recent
- 4434 *Sinistrella americana* (Aldrich) Hypotypes
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 422,
pl. 58, figs. 4, 5 (2 specimens)
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 1831 *Sinuitina anneae* Conkin Paratypes
Conkin, B.A.P., v. 38, No. 168, 1957, p. 146 (2 specimens)
E. quarry of Coral Ridge Brick and Tile Co., Coral Ridge,
Jefferson Co., Ky. Coral Ridge mem., New Providence
fm., Lower Mississippian
- 2813 *Sinum aretatum* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, figs. 3, 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Eocene
- 2814 *Sinum aretatum* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, figs. 13, 14
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2811 *Sinum beatricae* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, figs. 2, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2812 *Sinum beatricae* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, fig. 10
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2818 *Sinum bilix* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 139, pl. 15, figs. 17, 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2819 *Sinum ?bilix* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 139, pl. 15, fig. 18
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2820 *Sinum bilix* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 139, pl. 15, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4521 *Sinum danvillense* Falmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 253,
pl. 30, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4521a *Sinum danvillense* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 253,
pl. 30, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2815 *Sinum declive* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 140, pl. 15, figs. 5, 15
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2816 *Sinum declive* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 140, pl. 15, figs. 6, 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2817 *Sinum declive* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 140, pl. 15, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1904 *Sinum dusenburyi* Caster [corrected from *dusenberryi*] Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 31,
pl. 7, figs. 8, 9 (specific name for A. N. Dusenbury, Jr., spelled
incorrectly "Dusenberry" in Caster)
Mouth of Luculo R., Quimbriz, Angola (loc. S 3)
Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 2808 *Sinum inconstans* (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, fig. 1
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2809 *Sinum inconstans* (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, figs. 7, 12
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2810 *Sinum inconstans* (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 141, pl. 15, fig. 8
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 24890 *Sinum maculatum* (Say) Hypotype
Perry and Schwengel, 1955, p. 125, pl. 47, fig. 325
Sanibel, Lee Co., Fla. Recent
- 2023 *Sinum multilineatum peruvianum* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 70, pl. 10, fig. 5
Caleta Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene

- 2024 *Sinum multileneatum peruvianum* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 70, pl. 10, fig. 6
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 24742 *Sinum perspectivum* (Say) Representative specimen
Perry and Schwengel, 1955, p. 125, pl. 24, fig. 168
Bayside, Sanibel, Lee Co., Fla. Recent
- 22860 *Sinum quirosanum* F. Hodson Holotype
Hodson, F., and Hodson, H. K., and Harris, B.A.P., v. 13, No.
49, 1927, p. 67, pl. 36, figs. 10, 12
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 4522 *Sinum* sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 254,
pl. 30, figs. 3, 4
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 256 *Sipho tuomeyi* (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 48, pl. 6, fig. 5
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 22309 *Siphogenerina lamellata* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 349, pl. 46, fig. 4
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 25106 *Siphogenerina multicostata* Cushman and Jarvis Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 17, pl. 2, fig. 8
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25437 *Siphogenerina senni* Cushman and Renz Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 185, pl. 15, fig. 3; *S. yumuriana* Palmer; *ibid.* v. 15, No. 3,
1941, p. 304 [D.K.P. slide 191.9-18 (61)]
Base of NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25438 *Siphogenerina senni* Cushman and Renz Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 185, pl. 15, fig. 3; *S. yumuriana* Palmer; *ibid.* v. 15, No. 3,
1941, p. 304 [D.K.P. slide 191.9-18 (61)]
Base of NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25435 *Siphogenerina transversa* Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 185, pl. 15, fig. 5 [D.K.P. slide 191.9-18 (62)]
Basal 150 ft. at NW. end of Yumuri Gorge, Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]

- 25436 **Siphogenerina transversa** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 185, pl. 15, fig. 6 [D.K.P. slide 191.9-18 (62)]
Basal 150 ft. at NW. end of Yumuri Gorge, Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]
- 25437, **Siphogenerina yumuriana** Palmer
- 25438 See *S. senni* Cushman and Renz
- 22693a-d **Siphogenerinoides plummeri** (Cushman) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 183, pl. 9, figs. 1, 3-6
(S-825.1-.4)
Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E.
of Cameron, 1 mi. upstream from intersection of Walker Cr.
and Cameron-Clarkson highway, Milam Co., Tex. Kemp
cl., Navarro gr., Maestrichtian, Upper Cretaceous
- 22694 **Siphogenerinoides plummeri** (Cushman) Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 183, pl. 9, fig. 2 (S-826)
Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E.
of Cameron, 1 mi. upstream from intersection of Walker Cr.
and Cameron-Clarkson highway, Milam Co., Tex. Kemp
cl., Navarro gr., Maestrichtian, Upper Cretaceous
- 2114 **?Siphonalia belensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 102, pl. 18, fig. 11
Pajarabobo, near Belen, Dept. of Piura, Peru Heath
fm., upper Oligocene
- 4700 **Siphonalia jacksonia** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 366,
pl. 48, fig. 2
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- Siphonalia kemp** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 20, pl. 5, fig. 5 (lost
prior to 1937)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 24264 **Siphonalia (Pseudoneptunea) nuntia** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 56, pl. 10, fig. 14
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24265 **Siphonalia (Pseudoneptunea) nuntia** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 56, pl. 10, fig. 15
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3092 **"Siphonalia" plummeri** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 318, pl. 45, figs. 3, 4
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 252 **Siphonalia** sp. Figured specimen
Harris, B.A.P., v. 3, No. 11, 1899, p. 45, pl. 5, fig. 10

- Yellow Bluff, Alabama R., Wilcox Co., Ala. middle
or upper Wilcox [Sabine] gr., lower Eocene
- 253 *Siphonalia* sp. Figured specimen
Harris, B.A.P., v. 3, No. 11, 1899, p. 45, pl. 6, fig. 1
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 257 *Siphonalia subscalarina* (Heilprin) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 49, pl. 6, fig. 7
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 4701 *Siphonalia sullivanii* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 367,
pl. 48, fig. 3
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4702 *Siphonalia sullivanii* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 367,
pl. 48, fig. 4
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4703 *Siphonalia sullivanii ouachita* Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 368,
pl. 48, fig. 5
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4704 *Siphonalia sullivanii ouachita* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 368,
pl. 48, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2106 ?*Siphonalia tessaria* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 103, pl. 18, fig. 3
Pajarabobo, near Belen, Dept. of Piura, Peru Heath
fm., upper Oligocene
- 25453 *Siphonina cojimarensis* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 196, pl. 16, figs. 2, 5, 8 [D.K.P. slide 191.9-18 (84)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 25226 *Siphonina prima* Plummer Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 33
Crawford's Corner, about 5 mi. S. of Keyport, Ocean Co., N. J.
Navesink fm., Upper Cretaceous
- 21671 *Siphonina tenuicarinata* Cushman Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 30, pl. 5, figs. 1, 2
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guaya-
bal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene

- 25149 *Siphonina tenuicarinata* Cushman Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 23
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 21062 *Sistrum nodulosum* (C. B. Adams) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 133, pl. 10, fig. 23
Red Cliff Creek, Limon Prov., C. R. Uscari or Gatun
fm., lower or middle Miocene
- 24722 *Smaragdina viridis weyssei* Russell Representative specimen
Perry and Schwengel, 1955, p. 112, pl. 22, fig. 144a
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 123 *Solariella alabamensis* (Aldrich) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 120, pl. 12, fig. 24
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 2672 *Solariella cancellata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 36, pl. 4, figs. 9, 13, 17
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4492 *Solariella cancellata jacksonia* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 229,
pl. 27, figs. 8-10
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 1109 *Solariella caroniana* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 248, pl. 43, figs. 7, 12
[broken after figured]
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 3514 *Solariella gemma* (Tuomey and Holmes) Hypotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 10, pl. 5, figs. 7-9
Grove Wharf, James City Co., Va. Yorktown fm., upper
Miocene
- 2667 *Solariella louisiana* Dall Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 38, pl. 4, figs. 1, 2, 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2668 *Solariella louisiana* Dall Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 38, pl. 4, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2669 *Solariella louisiana* Dall Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 38, pl. 4, fig. 10
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 3513 **Solariella shacklefordensis** Olsson Holotype
 Olsson, B.A.P., v. 5, No. 24, 1914, p. 9, pl. 5, figs. 5, 6
 Shackleford, King and Queen Co., Va. St. Marys fm.,
middle Miocene
- 2673 **Solariella stalagmium** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 33, pl. 4, figs. 15, 16
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2674 **Solariella stalagmium** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 33, pl. 4, figs. 19, 21
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2671 **Solariella stalagmium modesta** (Meyer and Aldrich) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 35, pl. 4, figs. 7, 11
 Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2670 **Solariella tricostata** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, p. 37, pl. 4, figs. 5, 8, 12
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2652 **Solariorbis depressus** (Lea) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 50, pl. 2, figs. 6-8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2653 **Solariorbis depressus** (Lea) "var." Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 50
 Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4495 **Solariorbis quadrangularis** (Meyer) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 232,
 pl. 27, figs. 1, 2
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4496 **Solariorbis subangulatus** (Meyer) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 233,
 pl. 27, figs. 5, 6
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4497 **Solariorbis subangulatus** (Meyer) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 233,
 pl. 27, fig. 7
 Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene

Solarium see also *Architectonica*

- Solarium alabamense** Dall Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 114, pl. 12, fig. 4 (lost
 prior to 1937)

One mi. W. of Oak Hill, Wilcox Co., Ala. Naheola fm.,
upper Midway gr., Paleocene

- 322 **Solarium cupola** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 78, pl. 11, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Solarium delphinuloides* Meyer, 1886, not *Solarium delphinuloides* d'Orbigny, 1845; not Heilprin, 1880. See *Circulus ottonius* Palmer
- 323 **Solarium elaboratum delphinuloides** Heilprin Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 80, pl. 11, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 324 **Solarium elaboratum intusum** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 81, pl. 11, fig. 8
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1396 **Solarium ianthinae** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 8, pl. 1, fig. 7
James R., just below City Point, Prince George Co., Va.
Nanjemoy fm., lower Eocene
- 1397 **Solarium ianthinae** Van Winkle Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 8, pl. 1, figs. 8, 9
James R., just below City Point, Prince George Co., Va.
Nanjemoy fm., lower Eocene
- 113 **Solarium** sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 115, pl. 12, fig. 6
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 321 **Solarium sylvaerupis** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 78, pl. 11, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 630 **Solemya alabamensis** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 76, pl. 26, fig. 16
WNW. of Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- Solemya alabamensis** Harris Holotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 73, pl. 14, fig. 12 (lost prior to 1937)
Four mi. above Hamilton Bluff, Alabama R., Monroe Co., Ala.
Wilcox [Sabine] gr., lower Eocene
- 1959 **Solemya (Acharax) belenensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 31, pl. 3, fig. 7

- Belen (Lobos), S. of Lagunitos*, Dept. of Piura, Peru
Heath fm., upper Oligocene
- 4076 *Solemya (Acharax) burica* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 23, pl. 2, fig. 1
Burica Point Chiriquí Prov., Pan. Burica ss., upper
Miocene or lower Pliocene
- 1957 *Solemya lomitensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 31, pl. 3, fig. 5
Lomitos, Dept. of Piura, Peru Oligocene
- 865 *Solen (Solena) obliquus* Spengler Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 115, pl. 18, fig. 12
Matura, E. Matura Ward, NE. St. Andrew Co. Trinidad, W. I.
Matura fm., upper Pliocene
- 177 *Solen* sp. Figured specimen
Harris, B.A.P., v. 2, No. 9, 1897, p. 66, pl. 13, fig. 9
Ozark, Dale Co., Ala. Wilcox [Sabine] gr., lower Eocene
- 21009 *Solenosteira chiriquiensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 114, pl. 8, fig. 3
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 1054 *Solenosteira cochlearis* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 210, pl. 36, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 22954 *Solenosteira cochlearis magdalenensis* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 46, pl. 6, figs. 16, 17
One-half km. W. of Piedras de Afilar, Dept. of Atlantico, Col.
middle Miocene
- 21014 *Solenosteira dalli* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 113, pl. 8, fig. 8
Gatun, C. Z. Gatun fm., middle Miocene
- 22960 *Solenosteira falconensis* Williston in Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 45, pl. 7, fig. 6
Near Usiacuri or Tuberá, Dept. of Atlantico, Col.
Miocene
- 22961 *Solenosteira falconensis* Williston in Weisbord Syntype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 45, pl. 7, figs. 7, 8
Near Usiacuri or Tuberá, Dept. of Atlantico, Col.
Miocene
- 24144 *Solenosteira falconensis urumacensis* H. K. Hodson Holotype
Hodson, F., and Hodson H.K., B.A.P., v. 16, No. 60, 1931, p. 11,
pl. 9, fig. 1
In Río Codore 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene

- 2311 **Solenosteira (Fusinosteira) sechurana** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 180, pl. 21, fig. 2
 Bayovar, Dept. of Piura, Peru Montera fm., lower Miocene
- 1052 **Solenosteira semiglobosa** Guppy Hypotype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 209, pl. 36, fig. 1
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- Solenosteira semiglobosa** Guppy Hypotype
 Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 110, pl. 20, fig. 5, 6 (lost prior to 1937)
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
 Park sugar mill, near Savaneta ["Savonetta"], Montserrat
 Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 21013 **Solenosteira vauhani medioamericana** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 113, pl. 8, fig. 7
 Toro Cays, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 1125 **Sphaerella anteproducta** Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 124, pl. 40, fig. 7
 St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1126 **Sphaerella anteproducta** Harris Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 124, pl. 40, fig. 8
 St. Maurice, Winn Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 1127 **Sphaerella bulla** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 125, pl. 40, fig. 9
 Bayou Toro, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ Sec. 6, T. 3 N., R. 11 W., (Veatch, 1899) Vernon Par., La. lower Jackson gr., upper Eocene
- 174 **Sphaerella** sp. Figured specimen
 Harris, B.A.P., v. 2, No. 9, 1897, p. 65, pl. 13, fig. 6
 Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 25055 **Sphaerospongia** cf. **S. tessellata** (Phillips) Hypotype
 Wells, Jour. Pal., v. 14, No. 5, 1940, pp. 502-504, figs. 1, 2
 Two mi. SSW. Fabius, Onondaga Co., N. Y. Tully ls., upper Middle Devonian
- 3751 **Sphaerulites (Lapeirousia)** cf. **nicholasi** (Whitfield) Hypotype
 Olsson, B.A.P., v. 20, No. 69, 1934, p. 49, pl. 8, fig. 4
 Monte Grande, lat $4^{\circ} 28' S.$; long $81^{\circ} 4' W.$, Dept. of Piura, Peru Monte Grande fm., Maestrichtian
- 5305 **Sphenotus clavulus** Hall Hypotype
 Caster, B.A.P., v. 15, No. 58, 1930, p. 76, pl. 42, fig. 5
 Four mi. S. of Portville, Cattaraugus Co., N. Y. Cone-wango stage, Upper Devonian

- 5289 **Sphenotus contractus** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 76, pl. 42, fig. 4
Allegany Co., N. Y. Upper Chemung stage, Senecan
series, Upper Devonian
- 5308 **Sphenotus palmerae** Caster Holotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 77, pl. 42, figs. 9, 10
Glade, Warren Co., Pa. Salamanca fm., Conewango
stage, Upper Devonian
- 24536 **Spinobairdia shideleri** Morris and Hill Paratype
Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 12
Newsom, Davidson Co., Tenn. Newsom sh., Middle
Silurian
- 5443B **?Spinocyrtia cf. valenteana** (Hartt in Rathbun) Hypotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 168, pl. 13, fig. 27
(missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 1389 **Spirialis choctavensis** (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 103, pl. 12, fig. 24
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 5111 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, fig. 1
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5112 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, fig. 2
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5113 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, figs. 3, 4
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5114 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, fig. 5
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5115 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, fig. 6
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5117 **Spirifer allegheniensis** Caster Syntype
Caster, B.A.P., v. 15, No. 58, 1930, p. 30, pl. 4, figs. 9-11
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 21768 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 4, fig. 7

Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian

- 21769 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 4, fig. 8; pl. 5,
fig. 2
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21770 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 1
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21771 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 3
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21772 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 4
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21773 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 5
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21774 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 6 (lost
prior to 1955)
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21775 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 7
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21776 **Spirifer audaculus zulianus** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 20, pl. 5, fig. 8
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 5094 **Spirifer disjunctus** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 2
Black Creek, Hudson Twp., Allegany Co., N. Y. Che-
mung stage, Senecan series, Upper Devonian

- 5095 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 3
Near Glade, Warren Co., Pa. Salamanca ?, Conewango
stage, Upper Devonian
- 5096 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 4
Three mi. SW. of Warren, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5098 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 6
Glade, Warren Co., Pa. Corry ss. ("Venango First Oil
sd."), Lower Mississippian
- 5099 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 7
Glade, Warren Co., Pa. Salamanca ?, Conewango stage,
Upper Devonian
- 5100 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 8
Glade, Warren Co., Pa. Salamanca ?, Conewango stage,
Upper Devonian
- 5101 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 10
Three mi. SE. of Warren, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5103 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 3, fig. 2
Glade, Warren Co., Pa. Riceville, Oswayo fm., Cone-
wango stage, Upper Devonian
- 5104 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 3, figs. 3, 9
Glade, Warren Co., Pa. Conewango stage, Upper De-
vonian
- 5105 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 3, fig. 4
Pope Hollow, Cattaraugus Co., N. Y. middle Conewango
stage, upper Devonian
- 5106 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 3, fig. 5
Glade, Warren Co., Pa. Riceville, Oswayo fm., Cone-
wango stage, Upper Devonian
- 5107 *Spirifer disjunctus* Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 3, fig. 6
Just E. of monument at Cobham, Warren Co., Pa.
Corry ss. ("First Venango Oil sd."), Lower Mississippian
- 5110 *Spirifer disjunctus* Sowerby Hypotype
Caster, B. A.P., v. 15, No. 58, 1930, p. 27, pl. 3, fig. 10
Glade, Warren Co., Pa. Riceville, Oswayo fm., Cone-
wango stage, Upper Devonian

- 5118 ***Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 5, fig. 1
Black Creek, Allegany Co., N. Y. Upper Chemung stage,
Seneca series, Upper Devonian
- 5122 ***Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 5, fig. 6
Stoneham, Warren Co., Pa. Base of Conewango stage,
Upper Devonian
- 5123 ***Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 5, fig. 8
Warren, Warren Co., Pa. "Venango stage" (Caster,
1937), Conewango stage, Upper Devonian
- 5132 ***Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 6, fig. 9
Cobham, Warren Co., Pa. Knapp fm., "(Oil Lake
Series", Caster, 1934), Lower Mississippian
- 5133 ***Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 6, fig. 10
One mi. E. of Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- Spirifer disjunctus*** Sowerby Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 2, fig. 9 (lost prior
to 1937)
Glade, Warren Co., Pa. Salamanca?, Conewango stage,
Upper Devonian
- 5116 ***Spirifer disjunctus sulcifer*** Hall Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 28, pl. 4, figs. 7, 8
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5397 **"*Spirifer*" kingi** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 151, pl. 8, fig. 19; pl. 12,
figs. 1, 2 (external mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5397A **"*Spirifer*" kingi** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 151, pl. 12, figs. 3, 4 (in-
ternal mold)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5397B **"*Spirifer*" kingi** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 151 (missing prior to
1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5397C **"*Spirifer*" kingi** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 151, pl. 10, fig. 14

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 6012 **Spirifer kingi** Caster Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 68, pl. 7, fig. 2
 Float in Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 6012a **Spirifer kingi** Caster Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 68, pl. 7, figs. 3, 4
 Float in Caño del Oeste branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 21765 **Spirifer meridioamericano** Weisbord Syntype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 18, pl. 4, fig. 4
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 21766 **Spirifer meridioamericana** Weisbord Syntype
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 18, pl. 4, fig. 5
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 6013 **Spirifer olssoni** Caster Hypotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p. 68, pl. 7, fig. 5
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 6045 **Spirifer raymondi** Haynes Hypotype
 Baldwin, B.A.P., v. 28, No. 110, 1943, p. 14, pl. 1, fig. 23
 Lost River Range, 1 mi. E. of Freighters Spring near Dickey, Custer Co., Ida. Three Forks fm., Upper Devonian
- 5165 **Spirifer** sp. Figured specimen
 Caster, B.A.P., v. 15, No. 58, 1930, p. 27, pl. 10, fig. 10
 Near Warren, Warren Co., Pa. Conewango stage, Upper Devonian
- 6035 **Spirifer** sp. Figured specimen
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 1, 1943, p. 25, pl. 9, fig. 8
 Caño del Norte branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Permo-Carboniferous
- 21761 **Spirifer** sp. Figured specimen
 Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 3, fig. 12
 Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

- 21767 **Spirifer venezuelensis** Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 19, pl. 4, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 6010, **Spirifer weisbordi** Harris Paratype
6011 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 67, pl. 6, figs. 19, 20
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 6010a **Spirifer weisbordi** Harris Holotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 67, pl. 7, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 25311 **Spiroloculina bidentata** Hadley Paratype
Hadley, B.A.P., v. 22, No. 74, 1935, p. 5
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 25179 **Spiroplectammina laevis cretosa** Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 12
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 20755 **Spiroplectammina richardi** Martin Paratype
Martin, Stanford, Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 14, pl. 5, fig. 3; Marks, Micropal., v. 6, No. 4, 1952, p. 39
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 6+11) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20756 **Spiroplectammina rossae** Plummer Holotype
Plummer, Univ. Tex. Bull. 3201, 1933, p. 66, pl. 5, figs. 1, 2;
Marks, Micropal., v. 6, No. 4, 1952, p. 39
Rt. bank of Foggyhead Cr., 3.8 rd. mi. SSE. of R.R. station in
Kerens on rd. to Round Prairie and 0.15 mi. upstream W. of
bridge, Navarro Co., Tex. Wills Point fm., Midway gr.,
Paleocene
- 20757 **Spiroplectammina rossae** Plummer Paratype
Plummer, Univ. Tex. Bull. 3201, 1933, p. 66, pl. 5, fig. 3; Marks,
Micropal., v. 6, No. 4, 1952, p. 39
Rt. bank of Foggyhead Cr., 3.8 rd. mi. SSE. of R.R. station in
Kerens on rd. to Round Prairie and 0.15 mi. upstream W. of
bridge, Navarro Co., Tex. Wills Point fm., Midway gr.,
Paleocene
- 20758 **Spiroplectammina semicomplanata** (Carsey) Neotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 25, pl. 3, fig. 4; Plummer,
Univ. Tex. Bull. 3101, 1931, p. 129, pl. 8, fig. 7; Marks,
Micropal., v. 6, No. 4, 1952, p. 39

Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
See *Textularia semicomplanata* Carsey

- 20758a *Spiroplectammina semicomplanata* (Carsey) Paratype
Plummer, Univ., Tex. Bull. 3101, 1931, p. 129, pl. 8, fig. 8 (not
in Marks, Micropal., v. 6, No. 4, 1952)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of
bridge at Jones' Crossing*, Travis Co., Tex. Corsicana
ml., Navarro gr., Maestrichtian, Upper Cretaceous
See *Textularia semicomplanata* Carsey
- 21752 *Spiroplectoides annectens* (Parker and Jones) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 11
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25211 *Spiroplectoides emmendorferi* Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 26
Tributary to Crosswick's Cr., S. of New Egypt, Ocean Co.,
N. J. Hornerstown fm., Eocene
- 25256 *Spiroplectoides rosula* (Ehrenberg) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 26
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 3578 *Spisula caleta* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 44, pl. 10, fig. 1
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 3580 *Spisula (Hemimactra) callistoides* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 47, pl. 10, fig. 3
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3581 *Spisula (Hemimactra) callistoides* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 47, pl. 10, fig. 4
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 14909 *Spisula confraga* (Conrad) ? Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14945 ?*Spisula (Hemimactra) confraga* (Conrad) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 14969 ?*Spisula (Hemimactra) confraga* (Conrad) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bank upper beach, James City
Co., Va. Yorktown fm., upper Miocene

- 1251 ***Spisula decisa*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 176, pl. 54, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 1252 ***Spisula decisa palmaris*** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 176, pl. 54, fig. 2
Base of Bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 1253 ***Spisula decisa palmaris*** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 176, pl. 54, fig. 3
Base of Bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 3579 ***Spisula (Hemimactra) deserta*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 47, pl. 10, fig. 2
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 3584 ***Spisula (Hemimactra) deserta*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 47, pl. 10, fig. 7
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 3487 ***Spisula (Hemimactra) harrisi*** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 14, pl. 1, figs. 5, 6
Peedee R.?, Florence Co., S. C. Duplin fm., upper Mio-
cene
- 3572 ***Spisula hualtaca*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 46, pl. 9, fig. 4
Caleta Sal, Dept. of Tumbes, Peru Talara fm., lower
upper Eocene
- 1242 ***Spisula parilis*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 174, pl. 53, fig. 2
Claiborne, Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1243 ***Spisula parilis*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 174, pl. 53, fig. 3
Claiborne, Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1244 ***Spisula parilis*** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 174, pl. 53, fig. 3a
Claiborne, Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1245 ***Spisula parilis bistriata*** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 174, pl. 53, fig. 4
Sabinetown, Sabine Co., Tex. Sabinetown fm., upper
Wilcox [Sabine] gr., lower Eocene

- 3573 *Spisula (Hemimactra) parinensis* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 48, pl. 9, fig. 5
Balcones Point, near Negritos, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 1248 *Spisula praetenuis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 175, pl. 53, figs. 6, 7, 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1246 *Spisula praetenuis australina* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 175, pl. 53, fig. 10
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1247 *Spisula praetenuis australina* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 175, pl. 53, fig. 9
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1249 *Spisula praetenuis australina* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 175, pl. 53, fig. 11
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 1250 *Spisula praetenuis australina* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 175, pl. 53, fig. 12
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 25334 *Spisula solidissima* (Dillwyn) Hypotype
Palmer, E. L. Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 3, fig. 8
Near Beaufort Biological Station, Beaufort, Carteret Co., N. C.
Recent
- 24694 *Spisula solidissima similis* (Say) Representative specimen
Perry and Schwengel, 1955, p. 89, pl. 17, fig. 114
Sanibel, Lee Co., Fla. Recent
- 2012 *Spisula steinmanni* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 67, pl. 9, fig. 1
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira
Valley Dept. of Piura, Peru Mancora fm., middle Oli-
gocene
- 3582 *Spisula summa* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 45, pl. 10, fig. 5
Restin, Dept. of Piura, Peru Pale Greda fm.,* lower
Eocene
- 3583 *Spisula summa* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 45, pl. 10, fig. 6
Restin, Dept. of Piura, Peru Pale Greda fm.,* lower
Eocene
- 24581 *Spondylus americanus* Hermann Hypotype
Perry and Schwengel, 1955, p. 45, frontispiece
Gulf off Tarpon Springs, Pinellas Co., Fla. Recent

- 3414 *Spondylus bostrychites* Guppy Hypotype
Palmer, P. A., v. 2, No. 8, p. 6, pl. 1, fig. 1
Halfway uphill (to formerly Capt. Baker's house) off of road
from Bowden P. O. to United Fruit Co. wharf, Port Morant,
St. Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
Bowden fm., middle Miocene
- 21985 *Spondylus carmenensis* F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 41, pl. 25, fig. 1
SW. of La Fila del Carmen, ESE. of Dabajuro, Dist. of Buchi-
vacoa, St. of Falcón, Ven. San Luis fm., middle Oli-
gocene
- 21986 *Spondylus carmenensis* F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 41, pl. 25, fig. 2
Between Aviagua and Guariro, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 21987 *Spondylus carmenenes* F. Hodson Paratype
Hodson, F., Hodson H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 41, pl. 25, fig. 3
Between Aviagua and Guariro, SE. of Dabajuro, Dist. of
Buchivacoa, St. of Falcón, Ven. Oligocene
- 21170 *Spondylus chiriquiensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 206, pl. 20, fig. 1
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21171 *Spondylus chiriquiensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 206, pl. 20, fig. 2
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21174 *Spondylus chiriquiensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 206, pl. 20, fig. 5
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21175 *Spondylus chiriquiensis* Olsson Syntype
Olsson, B.A.P., v. 6, No. 39, 1922, p. 206, pl. 20, fig. 6
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 22910 *Spondylus colomblensis* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 14, pl. 2, figs. 10, 11
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 4152 *Spondylus dumosus* (Morton) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 25,
pl. 6, figs. 2, 2a
One mi. S. of Melvin, Choctaw Co., Ala. lower Jackson
gr., upper Eocene
- 21976 *Spondylus falconensis* Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 40, pl. 23, figs. 4, 5

E. sec., La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene

- 21984 *Spondylus falconensis* Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 40, pl. 24, fig. 9
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 21176 *Spondylus gumanomocon* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 207, pl. 21, fig. 1
Hone Walk Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 24443 *Spondylus hollisteri* Harris Paratype
Harris, B.A.P., v. 33, No. 138, 1951, p. 8, pl. 2, fig. 10
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24444 *Spondylus hollisteri* Harris Paratype
Harris, B.A.P., v. 33, No. 138, 1951, p. 8, pl. 2, fig. 11; pl. 3,
fig. 3
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24445 *Spondylus hollisteri* Harris Holotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 8, pl. 3, fig. 1
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24446 *Spondylus hollisteri* Harris Paratype
Harris, B.A.P., v. 33, No. 138, 1951, p. 8, pl. 3, fig. 4
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 3722 *Spondylus hopkinsi* Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 32, pl. 3, fig. 6
Monte Grande, lat 4° 28' S.; long 81° 6' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 24602 *Spondylus ietericus* Reeve Representative specimen
Perry and Schwengel, 1955, p. 44, pl. 5, fig. 23
Captiva Pass, Lee Co., Fla. Recent
- 1954 *Spondylus mimus* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 41, pl. 3, fig. 2
Casa Saman near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 221 *Spondylus* sp. Figured specimen
Harris, B.A.P., v. 2, No. 9, 1897, p. 42, pl. 6, fig. 11
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 25475 *Sporadotrema* sp. Figured specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3,
1941, p. 301, pl. 31, figs. 1a, b [D.K.P. slide 191.9-26 (12)]
(missing prior to 1958)

Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 1084, **Springvaleia leroyi** (Guppy) Hypotype
 1087 Maury, B.A.P., v. 10, No. 42, 1925, p. 241, pl. 41, figs. 8, 11; Woodring, B.A.P., v. 38, No. 169, 1958, pp. 166, 168
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
 See ? *Epitonium leroyi* (Guppy)
 Type species of *Springvaleia* Rutsch, 1942
- 4090A **Springvaleia leroyi** (Guppy) Hypotype
 Woodring, B.A.P., v. 38, No. 169, 1958, p. 168 (not 4090 as in text)
 Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 5866 **Spyroceras crotalum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 111, pl. 9, fig. 11
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., middle Middle Devonian
- 5866a **Spyroceras crotalum** (Hall) Hypotype
 Flower, P. A., v. 2, No. 10, 1939, p. 111, pl. 9, fig. 12
 Pratt's Falls, Onondaga Co., N. Y. Pompey mem., Hamilton gr., middle Middle Devonian
- 5867 **Spyroceras oppletum** Flower Holotype
 Flower, P. A., v. 2, No. 10, 1939, p. 112, pl. 9, figs. 9, 10
 Eastmost of 3 quarries of Borodino, Onondaga Co., N. Y. West Brook mem., Tully ls., upper Middle Devonian
- 4877 **Stalioa agnia** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 67, pl. 12, figs. 5, 15
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru upper zone, Maesrichtian
- 4878 **Stalioa agnia** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 67, pl. 12, fig. 16
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru upper zone, Maesrichtian
- 4878a **Stalioa agnia** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 67
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru upper zone, Maesrichtian
- 24842 **Stellatoma stellata** (Stearns) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 168, pl. 38, fig. 268a; Perry and Schwengel, 1955, p. 186, pl. 38, fig. 268a
 Sanibel, Lee Co., Fla. Recent
- 24417 **Stephanocoenia peruviana** Vaughan Hypotype
 Wells, B.A.P., v. 26, No. 98, 1941, p. 8

- One mi. N. of Negritos, Dept. of Piura, Peru Negritos
fm.,* Paleocene
- 24359 **Stephanocoenia storrsi** Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 8, pl. 1, fig. 3
One mi. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 5383 **Straparollus parva** Cleland Holotype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 15, pl. 15, figs. 10, 11
Ft. Hunter, Montgomery Co., N. Y. "Calciferosus",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 18 **Strepsidura heilprini** Aldrich Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 91, pl. 9, fig. 3
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6
E., Alabama R., Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 108 **?Strepsidura mediavia** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 91, pl. 8, fig. 16
On McConnico's plantation, 1½ mi. SW. of Palmer's Mill,
Smith's bridge on Camden Rd., 5 mi. W. of Snow Hill, Wilcox
Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 109 **?Strepsidura mediavia** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 91, pl. 8, fig. 17
On McConnico's plantation, 1½ mi. SW. of Palmer's Mill,
Smith's bridge on Camden Rd., 5 mi. W. of Snow Hill, Wilcox
Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 3102 **Streptochetus limulus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 346, pl. 46, figs. 3, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 5361 **Striacoceras kionoceroides** Flower Holotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 40, pl. 2, fig. 5; pl. 9, fig. 5
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5362 **Striacoceras kionoceroides** Flower Paratype
Flower, B.A.P., v. 22, No. 76, 1936, p. 40
Cedarvale Channel, near Marcellus, Onondaga Co., N. Y.
Cherry Valley ls., Marcellus fm., lower Erian series,
Middle Devonian
- 5351 **Striacoceras typum** (Saemann) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 2, fig. 3
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 5352 **Striacoceras typum** (Saemann) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 7, fig. 2
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian

- 5353 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 9, fig. 12
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5354 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 2, fig. 9
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5355 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 2, fig. 2
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5356 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29
 Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5357 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 8, fig. 7
 Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5358 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 5, fig. 1
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5359 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 2, fig. 6
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5360 **Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 4, fig. 4
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- Striacoceras typum** (Saemann) Hypotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 29, pl. 4, fig. 3 (missing
 prior to 1937, not 5372 as in expl. of pl.)
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5340 **Striacoceras typum alpha** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 35, pl. 4, fig. 8
 Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5341 **Striacoceras typum alpha** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936 p. 35, pl. 3, fig. 2
 Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5342 **Striacoceras typum alpha** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 35, pl. 6, fig. 7

Union Springs, Cayuga Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian

- 5343 **Striacoceras typum beta** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 37, pl. 4, fig. 7
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5344 **Striacoceras typum beta** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 37 (immature specimen)
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5348 **Striacoceras typum beta** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 37, pl. 3, fig. 3; pl. 9,
 fig. 4
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5349 **Striacoceras typum beta** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 37, pl. 3, fig. 4
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5350 **Striacoceras typum beta** Flower Paratype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 37, pl. 3, fig. 7
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5346 **Striacoceras typum delta** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 39, pl. 3, fig. 6
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5347 **Striacoceras typum epsilon** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 39, pl. 5, fig. 6
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 5345 **Striacoceras typum gamma** Flower Holotype
 Flower, B.A.P., v. 22, No. 76, 1936, p. 38, pl. 3, fig. 1
 Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
 Marcellus fm., lower Erian series, Middle Devonian
- 14933 **Striarca centenaria** (Conrad) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Powell's Lake, top bed, James City Co., Va. Yorktown
 fm., upper Miocene
- 14934 **Striarca centenaria** (Conrad) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Moore House Beach, 4½ ft. up bank, York Co., Va.
 Yorktown fm., upper Miocene
- 14936 **Striarca centenaria** (Conrad) Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of bank lower end of beach, James City
 Co., Va. Yorktown fm., upper Miocene

- 14971 **Striarca centenaria** (Conrad) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14979 **Striarca centenaria** (Conrad) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 2125 **Strigatella peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 113, pl. 20, fig. 4
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 2127 **Strigatella peruviana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 113, pl. 20, No. 6
Near Quercotilla, Chira Valley, Dept. of Piura, Peru
Chira fm., lower Oligocene
- 24876 **Strigilla carnaria** (Linnaeus) Hypotype
Perry and Schwengel, 1955, p. 83, pl. 43, fig. 306
Six fm. off Sanibel, Lee Co., Fla. Recent
- 21246 **Strigilla musanica** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 255, pl. 26, fig. 18
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 881 **Strigilla pisiformis** (Linnaeus) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 120, pl. 20, fig. 13
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 20499 **Strombiconus ecuadorensis** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 142, pl. 9, figs. 10, 11
N. Progreso Basin, 5.4 km. N. 38° W. of Carrizal, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
Type species of *Strombiconus* Marks, 1951
- 20500 **Strombiconus ecuadorensis** Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 142
N. Progreso Basin, 1.3 km. S. 17° W. of Carrizal, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 21047 **Strombina ambigua** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 126, pl. 10, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21052 **Strombina chiriquiensis** Olsson Syntypes
Olsson, B.A.P., v. 9, No. 39, 1922, p. 130, pl. 10, figs. 14, 24
(3 specimens, 1 unfigured)
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 20456 **Strombina cimarroma** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 109, pl. 7, fig. 4

- Zacachún corehole, depth 400-410 ft., Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 20457 *Strombina cimarroma* Marks Paratype
Marks, B.A.P., v. 33, No. 139, 1951, p. 109
Zacachún corehole, depth 400-410 ft., Progreso Basin, Guayas Prov., SW. Ecua. Subibaja fm., lower Miocene
- 24075 *Strombina colinensis* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 29, pl. 11, fig. 8
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist. of Colina, St. of Falcón, Ven. upper middle Miocene
- 22963 *Strombina colombiana* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 43, pl. 7, figs. 11, 12
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 21046 *Strombina costaricensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 128, pl. 10, fig. 8
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21054 *Strombina costaricensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 128, pl. 10, fig. 16
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21055 *Strombina costaricensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 128, pl. 10, fig. 17
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 21064 *Strombina costaricensis musanica* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 129, pl. 10, fig. 26
Banana R. Limon Prov., C. R. Gatun fm., middle Miocene
- 21065 *Strombina costaricensis musanica* Olsson Syntype
Olsson, B.A. P., v. 9, No. 39, 1922, p. 129, pl. 10, fig. 27
Banana R. Limon Prov., C. R. Gatun fm., middle Miocene
- 21056 *Strombina ericamola* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 127, pl. 10, fig. 18
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 22962 *Strombina cyphonotus* Pilsbry and Johnson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 42, pl. 7, figs. 9, 10
Between Las Perdices and Pto. Colombia, Dept. of Atlantico, Col. Miocene
- 20463 *Strombina daulechica* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 112, pl. 7, fig. 5
Near Jerusalém, Daule Basin, Guayas Prov., W. Ecua. Daule fm., middle Miocene

- 20464 **Strombina daulechica** Marks Paratypes
 Marks, B.A.P., v. 33, No. 139, 1951, p. 112 (20 specimens)
 Near Jerusalén, Daule Basin, Guayas Prov., W. Ecua.
 Daule fm., middle Miocene
- 24068 **Strombina falconensis** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 28, pl. 10, fig. 10
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse,
 Dist. of Colina, St. of Falcón, Ven. upper middle Mio-
 ocene
- 24069 **Strombina falconensis** H. K. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 28, pl. 10, fig. 11
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse,
 Dist. of Colina, St. of Falcón, Ven. upper middle Mio-
 ocene
- 4060 **Strombina fusiformis penita** Olsson Holotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 74, pl. 10, fig. 6
 Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
 fm., Pliocene
- 4061 **Strombina fusiformis penita** Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 74, pl. 10, fig. 3
 Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
 fm., Pliocene
- 4061a **Strombina fusiformis penita** Olsson Paratype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 74, pl. 10, fig. 8
 Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
 fm., Pliocene
- 1060 **Strombina guaica** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 212, pl. 36, fig. 10
 At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
 St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
 Manzanilla fm., Miocene
- 1061 **Strombina guaica** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 212, pl. 36, fig. 11
 At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
 St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
 Manzanilla fm., Miocene
- 2290 **Strombina lanceolata zorritosensis** Olsson Paratype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 191, pl. 18, fig. 8
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 2295 **Strombina lanceolata zorritosensis** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 191, pl. 18, fig. 13
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 21051 **Strombina lessepiana** Brown and Pilsbry Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 126, pl. 10, fig. 13
 Gatun, C. Z. Gatun fm., middle Miocene

- 21058 ***Strombina lessepiana*** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 126, pl. 10, fig. 20
Gatun, C. Z. Gatun fm., middle Miocene
- 21045 ***Strombina matima*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 127, pl. 10, fig. 7
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 4059 ***Strombina (Cotenopsis) panacostaricensis*** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 75, pl. 10, fig. 5
W. side of Burica Point, 5 mi. N. of pt., Puntarenas Prov., C. R. Burica ss., upper Miocene or lower Pliocene
Type species of *Cotenopsis* Olsson, 1942
- 20461 ***Strombina pequenita*** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 111, pl. 7, fig. 1
Zacachún corehole, depth 80-90 ft., Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm., lower Miocene
- 20462 ***Strombina pekuenita*** Marks Paratypes
Marks, B.A.P., v. 33, No. 139, 1951, p. 111 (6 specimens)
Zacachún corehole, depth 80-90 ft., Progreso Basin, Guayas Prov., SW. Ecu. Subibaja fm., lower Miocene
- 24070 ***Strombina quirosana*** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 27, pl. 10, figs. 12, 13
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiróz, Dist. of Miranda, St. of Zulía, Ven. upper Oligocene
- 21057 ***Strombina sincola*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 129, pl. 10, fig. 19
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21059 ***Strombina sincola*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 129, pl. 10, fig. 21
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20458 ***Strombina striatocostata*** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 110, pl. 7, fig. 7
Jerusalém sec., Daule Basin, Guayas Prov., W. Ecu. Daule fm., middle Miocene
- 20459 ***Strombina striatocostata*** Marks Paratypes
Marks, B.A.P., v. 33, No. 139, 1951, p. 110 (3 specimens)
Jerusalém sec., Daule Basin, Guayas Prov., W. Ecu. Daule fm., middle Miocene
- 20460 ***Strombina striatocostata*** Marks Paratypes
Marks, B.A.P., v. 33, No. 139, 1951, p. 110 (3 specimens)
Jerusalém sec., Daule Basin, Guayas Prov., W. Ecu. Daule fm., middle Miocene
- 2289 ***Strombina tumbezia*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 190, pl. 18, fig. 7

- Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 1053 ***Strombus bifrons*** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 221, pl. 36, fig. 2
Dom. Rep. Recent
- 3873 ***Strombus burhinus*** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 24, pl. 5, figs. 5, 6
Restin, Dept. of Piura, Peru Restin fm., middle Eocene
- 2029 ***Strombus chiraensis*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 92, pl. 11, fig. 1
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura, Peru Chira fm., lower Oligocene
- 21089 ***Strombus gatunensis*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 141, pl. 13, fig. 5
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 21090 ***Strombus gatunensis*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 141, pl. 13, fig. 6
Water Cay, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 6053 ***Strombus pugilis alatus*** Gmelin Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 362, fig. 80
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 24776 ***Strombus pugilis alatus*** Gmelin Representative specimen
Perry and Schwengel, 1955, p. 145, pl. 28, fig. 203
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 24776a ***Strombus pugilis alatus*** Gmelin Representative specimen
Perry and Schwengel, 1955, p. 145, pl. 28, fig. 204
Redfish Pass, Captiva, Lee Co., Fla. Recent
- 21085 ***Strombus pugiloides*** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 142, pl. 13, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21086 ***Strombus pugiloides*** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 142, pl. 13, fig. 2
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21087 ***Strombus pugiloides*** Guppy Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 142, pl. 13, fig. 3
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 21604 ***Stropheodonta (Leptostrophia) caribbeana*** Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 10, pl. 3, fig. 1
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian

- 5990 ***Stropheodonta (Cymatostrophia?) easteri*** Harris Holotype
Liddle, Harris, and Wellis, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 59, pl. 5, figs. 1, 2, 2a, 2b
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 5406A ***Stropheodonta kozlowskii*** Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, figs. 14, 15
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5429 ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, fig. 7; pl. 5,
figs. 14, 15 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5430 ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 5, figs. 16, 17;
pl. 3, fig. 13 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5431 ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, fig. 12 (cast
missing prior to 1956); pl. 5, figs. 18, 19
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5431A ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, figs. 5, 6
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5431B ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, figs. 10, 11
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5431C ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, figs. 3, 4
(cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5431D ***Stropheodonta kozlowskii*** Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 66, pl. 3, figs. 8, 9
(cast missing prior to 1956)

Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5448A ?*Stropheodonta* sp. Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 70, pl. 10, figs. 7, 8 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 21603 *Stropheodonta zuliana* Weisbord Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 11, pl. 2, fig. 8
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo, St. of Zulia, Ven. Caño Grande fm., Lower-Middle Devonian
- 5068 *Strophomena incurvata* Shepard Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 37, pl. 19, fig. 11
Pattersonville, Schenectady Co., N. Y. Black R. ls., Mohawkian, middle Champlainian (Middle) Ordovician
- 5482 *Strophonella floweri* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 109, pl. 10, figs. 9, 10 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5486 *Strophonella floweri* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 109, pl. 2, figs. 2, 3
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5487 *Strophonella floweri* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 109, pl. 10, fig. 11 (cast missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5411 *Strophonella meridionalis* Caster Holotype
Caster, B.A.P., v. 24, No. 83, 1939, p. 107, pl. 4, fig. 10
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5411A *Strophonella meridionalis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 107, pl. 8, figs. 16, 17
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian
- 5411B *Strophonella meridionalis* Caster Paratype
Caster, B.A.P., v. 24, No. 83, 1939, p. 107
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa Rosa and Corales, Dept. of Boyaca, Col. Floresta series, Middle Devonian

- 5991 *?Strophonella cf. meridionalis* Caster Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 59, pl. 5, figs. 3-5
Float in Caño del Oeste branch of upper Río Cachim, Dist. of
Maracaibo, St. of Zulia, Ven. Lower-Middle Devonian
- 24415 *Stylophora chiraensis* Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 17, pl. 3, fig. 2
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 24416 *Stylophora chiraensis* Wells Paratype
Wells, B.A.P., v. 26, No. 98, 1941, p. 17, pl. 3, fig. 2a (slide)
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2963 *Sulcoretopora kennedyi* (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 236, pl. 30, figs. 33, 34
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2960 *Sulcoretopora vauhani* (Johnson) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 236, pl. 30, fig. 21
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2961 *Sulcoretopora vauhani* (Johnson) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 236, pl. 30, fig. 24
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 5919 *Sulcoretopora olssoni* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 19, pl. 6, fig. 2
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5918 *Sulcoretopora subramosa* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 19, pl. 6, fig. 1
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 4977 *Sullivania perexilis* (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 433,
pl. 60, fig. 1
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
Type species of *Sullivania* Harris, 1947
- 4978 *Sullivania perexilis* (Aldrich) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 433,
pl. 60, figs. 2, 3
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 1899 *Surecula cf. ingens* (Mayer-Eymar) Hypotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 34,
pl. 7, fig. 3

About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
[Miocene, Darteville and Roger, 1954]

- 244 **Surcula nasuta** Whitfield "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 21, pl. 2, fig. 14
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 22940 **Surcula nuevagranada** Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 54, pl. 5, fig. 15
Near Pto. Colombia, Dept. of Atlantico, Col. Miocene
- 2554 **Surculites engonata** (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 64, pl. 11, fig. 16
Smithville, Bastrop Co., Tex. Weches fm., middle
Claiborne gr., middle Eocene
- 2555 **Surculites engonata** (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 64, pl. 11, fig. 17
Smithville, Bastrop Co., Tex. Weches fm., middle
Claiborne gr., middle Eocene
- 2556 **Surculites engonata** (Heilprin) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 64, pl. 11, fig. 18
Smithville, Bastrop Co., Tex. Weches fm., middle
Claiborne gr., middle Eocene
- Surculites errans** (Solander) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 65, pl. 11, fig. 21 (not deposited in 1937)
Barton Bluff, England Barton, upper Eocene
- Surculoma* see also *Turricula* (*Surculoma*)
- 2533 **Surculoma calantica** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 55, pl. 10, fig. 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2535 **Surculoma falsabenes** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 56, pl. 10, fig. 21
Sabine R., near Columbus, Sabine Par., La. (Exact locality unknown, see Veatch Survey, 1902, p. 129-130) middle or
upper Claiborne gr., middle Eocene
- 2540 **?Surculoma floweri** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 58, pl. 10, fig. 29
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne, gr., middle Eocene
- 2537 **?Surculoma kellogi** (Gabb) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 56, pl. 10, fig. 24a
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene

- 2534 **Surculoma sabinicola** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 56, pl. 10, fig. 20
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130) middle or upper Claiborne gr., middle Eocene
- 2536 **Surculoma subequalis** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 56, pl. 10, fig. 23
Newton, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3311 **Sveltella parva** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 447, pl. 70, figs. 11, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3312 **Sveltella parva** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 447, pl. 70, fig. 12
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3314 **Sveltia alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 456, pl. 70, figs. 18, 19
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3315 **Sveltia alveata** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 456, pl. 70, fig. 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3320 **Sveltia (Aneurystoma) priama** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 448, pl. 70, fig. 27 (not 3120 as in expl. of pl.)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3321 **Sveltia (Aneurystoma) priama** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 448, pl. 70, figs. 28, 29 (not 3121 in in expl. of pl.)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 3106 **Sycostoma americanae** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 325, pl. 46, figs. 7, 9
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 3101 **Sycostoma enterogramma** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 323, pl. 46, fig. 2
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3104 **Sycostoma enterogramma** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 323, pl. 46, figs. 5, 8
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene

- 3103 **Sycostoma pyrum bulbiforme** (Lamarck) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 325, pl. 46, fig. 1
Damery ("Damerez," *sic*) Marne, France Lutetian, lower
middle Eocene
- 3105 **Sycostoma pyrum bulbiforme** (Lamarck) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 325, pl. 46, fig. 6
Fleury, Marne, France Lutetian, lower middle Eocene
- 4917 **Sympanotomus muricatus** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 82, pl. 13, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Sympanotomus* Olsson, 1944
- 24424 **Synaptophyllum vermetum** (Weisbord) Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 5, pl. 1, fig. 6; Liddle,
Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943, p. 96,
pl. 10, figs. 3, 4 (transverse and longitudinal section of 21595
Weisbord)
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
See *Diphyphyllum vermetum* Weisbord
- 24432 **Synaptophyllum vermetum** (Weisbord) Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 96
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 5090 **Syntrophia palmata** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 18, pl. 17, fig. 14
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5091 **Syntrophia palmata** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 18, pl. 17, fig. 16
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- Syntrophia palmata** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 18, pl. 17, fig. 15 (lost
prior to 1937)
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- Syntrophia palmata** Cleland Syntype
Cleland, B.A.P., v. 3, No. 13, 1900, p. 18, pl. 17, fig. 17 (lost
prior to 1937)
Ft. Hunter, Montgomery Co., N. Y. "Calciferos",
Tribes Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5119 **Syringothyris angulata** Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 5, fig. 2
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Mississippian

- 5120 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 5, fig. 4
Stone Hill, near Stoneham, Warren Co., Pa. From cgl.
associated with the "Venango First Oil sd.", Knapp fm.,
("Oil Lake Series", Caster, 1934), Lower Mississippian
- 5121 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 5, fig. 5
Stone Hill, near Stoneham, Warren Co., Pa. From cgl.
associated with the "Venango First Oil sd.", Knapp fm.,
("Oil Lake Series", Caster, 1934), Lower Mississippian
- 5124 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 1
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5125 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 2
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5127 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 4
Cobham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5128 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 5
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 5129 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 6
Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil
sd."), Lower Mississippian
- 5130 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 7
Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil
sd."), Lower Mississippian
- 5130 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 7
Two mi. W. of Smethport, McKean Co., Pa. Knapp fm.,
("Oil Lake Series", Caster, 1934), Lower Mississippian
- 5131 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 8
Cobham, Warren Co., Pa. Corry ss. ("Venango First Oil
sd."), Lower Mississippian
- 5134 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, figs. 1, 10
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian

- 5135 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 2
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5136 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 3
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5137 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 4
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5138 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, figs. 5, 6
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5139 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 7
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5140 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 8
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5141 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 9
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5142 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 11
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5143 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 7, fig. 12
Stoneham, Warren Co., Pa. From cgl. associated with
the "Venango First Oil sd.", Knapp fm., ("Oil Lake Series",
Caster, 1934), Lower Mississippian
- 5144 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 5
About 1 mi. E. of monument at Cobham, Warren Co., Pa.
Corry ss. ("Venango First Oil sd."), Lower Mississippian

- 5145 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 6
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5146 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 7
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5147 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 8
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5148 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 9
Two mi. W. of Smethport, McKean Co., Pa. Knapp fm.,
("Oil Lake Series", Caster, 1934), Lower Mississippian
- 5149 *Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 10
Two mi. W. of Smethport, McKean Co., Pa. Knapp fm.,
("Oil Lake Series", Caster, 1934), Lower Mississippian
- Syringothyris angulata* Simpson Hypotype
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 8, fig. 4 (lost
prior to 1937)
Stoneham, Warren Co., Pa. Corry ss. ("Venango First
Oil sd."), Lower Mississippian
- 5126 *Syringothyris* sp. Figured specimen
Caster, B.A.P., v. 15, No. 58, 1930, p. 32, pl. 6, fig. 3
Stone Hill, near Stoneham, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 1385 *Syrnola dalli* Cossmann "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 98, pl. 12, fig. 14
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20267 *Syrnola* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Rodriguez No. 401, depth 1744-1765 ft., Bolivar Coastal
Field, Dist. of Bolivar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 3781 *Syzygophyllia hadleyi* Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 9, pl. 2, figs. 3, 4
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 5921 *Taeniopora florestae* McNair Holotype
McNair, B.A.P., v. 25, No. 93, 1940, p. 20, pl. 6, fig. 4
Floresta, lat 5° 51' N.; long 72° 53' W., on road between Santa
Rosa and Corales, Dept. de Boyaca, Col. Floresta series,
Middle Devonian

- 21294 **Tagelus cebus** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 261, pl. 29, fig. 9
Rio Betey, Limon Prov., C. R. Gatun fm., middle Miocene
- 24691 **Tagelus divisus** (Spengler) Representative specimen
Perry and Schwengel, 1955, p. 87, pl. 17, fig. 111
Sanibel, Lee Co., Fla. Recent
- 25329 **Tagelus gibbus** (Spengler) Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 5
Bird Shoal opposite Inlet Hotel, Beaufort, Carteret Co., N. C.
Recent
- 24690 **Tagelus plebeius** (Solander) Representative specimen
Perry and Schwengel, 1955, p. 87, pl. 17, fig. 110
Sanibel, Lee Co., Fla. Recent
- 24642 **Taras punctatus** (Say) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 56, pl. 11, figs. 63a, b;
Perry and Schwengel, 1955, p. 63, pl. 11, figs. 63a, b
Sanibel, Lee Co., Fla. Recent
- 24863 **Taras semiasperus** (Philippi) Hypotype
Perry and Schwengel, 1955, p. 63, pl. 40, fig. 290
Six fm. off Sanibel, Lee Co., Fla. Recent
- 3828 **Tarphypygus notabilis** Arnold and Clark Hypotype
Weisbord, B.A.P., v. 20, No. 70C, 1934, p. 63, pl. 7, figs. 1-3
Three km. NW. of Entronque Paso Real on to San Diego de
Los Baños, Piñar de Río Prov., Cuba upper Eocene
- 4874 **Tectus tshudi** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 66, pl. 9, fig. 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichian
- 1105 **Teinostoma caroniense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 249, pl. 43, fig. 3
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1106 **Teinostoma caroniense** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 249, pl. 43, fig. 4
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 2656 **Teinostoma harrisi** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 47, pl. 2, fig. 27
Newcastle, S. side Pamunkey R., 3/4-1 mi. E. of bridge on U. S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 2657 **Teinostoma harrisi** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 47, pl. 2, fig. 28

Newcastle, S. side Pamunkey R., 3/4-1 mi. E. of bridge on U. S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene

Teinostoma miocenium Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 21, pl. 3, figs. 14, 15
(missing prior to 1937)
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene

4498 **Teinostoma moodiense** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 221,
pl. 28, figs. 1, 3
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene

1388 **Teinostoma subangulatum** (Meyer) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 101, pl. 12, figs. 21, 21a
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene

Teinostoma subangulatum (Meyer) "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 101, pl. 12, figs. 22, 22a,
22b (lost prior to 1937)
Sabinetown, Sabine Co., Tex. Sabinetown fm., upper
Wilcox [Sabine] gr., lower Eocene

2658 **Teinostoma texanum** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 46, pl. 2, figs. 20-22
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene

1373 **Teinostoma thompsoni** Olsson Holotype
Olsson, B.A.P., v. 5, No. 27, 1916, p. 21, pl. 3, figs. 3, 4
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene

3509 **Teinostoma (Solariorbis) variabile** Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 10, pl. 5, fig. 1
Yorktown, York Co., Va. Yorktown fm., upper Miocene

3510 **Teinostoma (Solariorbis) variabile** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 10, pl. 5, fig. 2
Yorktown, York Co., Va. Yorktown fm., upper Miocene

3511 **Teinostoma (Solariorbis) variabile** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 10, pl. 5, fig. 3
Yorktown, York Co., Va. Yorktown fm., upper Miocene

3512 **Teinostoma (Solariorbis) variabile** Olsson Paratype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 10, pl. 5, fig. 4
Yorktown, York Co., Va. Yorktown fm., upper Miocene

4499 **Teinostoma verrilli** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 222,
pl. 28, figs. 2, 4
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene

- 3657 **Telescopium parinense** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 70, pl. 17, fig. 4
 Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura,
 Peru Parinas fm., middle Eocene
- 3643 **?Telescopium samanense** Olsson Paratype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 71, pl. 15, fig. 2
 Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3644 **?Telescopium samanense** Olsson Holotype
 Olsson, B.A.P., v. 14, No. 52, 1928, p. 71, pl. 15, fig. 3
 Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 21229 **Tellidora cristata** (Recluz) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 254, pl. 26, fig. 1
 Hill 3, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21230 **Tellidora cristata** (Recluz) Hypotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 254, pl. 26, fig. 2
 Hill 1a, Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24680 **Tellidora cristata** (Recluz) Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 76, pl. 16, fig. 101; Perry
 and Schwengel, 1955, p. 83, pl. 16, fig. 101
 Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 4847 **Tellidora (Tellipiura) peruana** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 63, pl. 6, figs. 13, 14
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
 Type species *Tellipiura* Olsson, 1944
- 4848 **Tellidora (Tellipiura) peruana** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 63, pl. 6, fig. 16
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 4849 **Tellidora (Tellipiura) peruana** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 63, pl. 6, fig. 15
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 24927 **Tellina agilis** Stimpson Representative specimen
 Perry and Schwengel, 1955, p. 79, text fig. 3
 Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 24677 **Tellina alternata** Say Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 71, pl. 15, fig. 99; Perry
 and Schwengel, 1955, p. 77, pl. 15, fig. 99
 Sanibel, Lee Co., Fla. Recent
- 2245 **Tellina amenensis** Olsson Holotype
 Olsson, B.A.P., v. 19, No. 68, 1922, p. 122, pl. 13, fig. 2

Between Amen and Playas along R.R. cuts, SW. Ecu.
lower Miocene

- 2251 **Tellina amenensis** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 122, pl. 13, fig. 8
Between Amen and Playas along R.R. cuts, SW. Ecu.
lower Miocene
- 886 **Tellina caroniana** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 119, pl. 20, fig. 20
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1226 **Tellina cherokeensis** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 165, pl. 50, fig. 19
W. H. Berryman's place, 11 mi. from Rusk and 2½ mi. from
Linwood, Cherokee Co., Tex. (see Stenzel, Krause, and Twining,
1957, p. 147) Weches fm., middle Claiborne gr., middle
Eocene
- 1227 **Tellina cherokeensis** Harris Syntype
Harris, B.A. P., v. 6, No. 31, 1919, p. 165, pl. 50, fig. 20
W. H. Berryman's place, 11 mi. from Rusk and 2½ mi. from
Linwood, Cherokee Co., Tex. (see Stenzel, Krause, and Twining,
1957, p. 147) Weches fm., middle Claiborne gr., middle
Eocene
- 21235 **Tellina (Arcopagia) costaricana** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 251, pl. 26, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21237 **Tellina (Arcopagia) costaricana** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 251, pl. 26, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21238 **Tellina (Arcopagia) crystallina** Wood Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 249, pl. 26, fig. 10
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21231 **Tellina dariena** Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 252, pl. 26, fig. 3
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 24027 **Tellina (Angulus) democraciana** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 13,
pl. 5, figs. 7, 8, 10
In Río Codore, 5 km. N. and 350 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 24028 **Tellina (Angulus) democraciana** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 13,
pl. 5, fig. 9

In Río Codore, 5 km. N. and 350 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene

- 4361 **Tellina eburneopsis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 100,
pl. 21, fig. 19
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4362 **Tellina eburneopsis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 100,
pl. 21, fig. 20
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 1223 **Tellina entaenia equator** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 162, pl. 50, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20219 ?**Tellina (Moerella)** sp. or **Ervilia** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 330, depth 3385-3405 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 2259 **Tellina cf. felix** Hanley Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 123, pl. 14, fig. 8
Quebrada Tucillal at Zorritos, Dept. of Piura, Peru
Tumbes* fm., upper Miocene
- 4101 **Tellina (Macaliopsis) frontera** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 42, pl. 4, figs. 3, 6 (not
5001 as in text)
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul
fm., Pliocene
- 228 **Tellina greggi** Harris Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 72, pl. 14, fig. 9d
Yellow Bluff or Greggs Ldg., Alabama R., Ala. middle
or upper Wilcox [Sabine] gr., lower Eocene
- 229 **Tellina greggi** Harris Hypotype
Harris, B. A.P., v. 2, No. 9, 1897, p. 72, pl. 14, fig. 9c
Yellow Bluff or Greggs Ldg., Alabama R., Ala. middle
or upper Wilcox [Sabine] gr., lower Eocene
- 24674 **Tellina interrupta** Wood Representative specimen
Perry and Schwengel, 1955, p. 77, pl. 15, fig. 96
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 1224 **Tellina leana** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 163, pl. 50, figs. 4, 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1225 **Tellina leana** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 163, pl. 50, fig. 6

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21232 **Tellina (Arcopagia) lepidota** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 251, pl. 26, fig. 4
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21233 **Tellina (Arcopagia) lepidota** Dall Hypotype
Ollson, B.A.P., v. 9, No. 39, 1922, p. 251, pl. 26, fig. 5
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 24675 **Tellina lineata** Turton Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 70, pl. 15, fig. 97; Perry
and Schwengel, 1955, p. 77, pl. 15, fig. 97 Recent
Sanibel, Lee Co., Fla.
- 4357 **Tellina (Tellinella) linifera** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 99,
pl. 21, fig. 15
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4358 **Tellina (Tellinella) linifera** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 99,
pl. 21, fig. 16
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4359 **Tellina (Tellinella) linifera** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 99,
pl. 21, fig. 17
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4360 **Tellina (Tellinella) linifera** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 99,
pl. 21, fig. 18
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 24676 **Tellina lintea** Conrad Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 71, pl. 15, fig. 98; Perry
and Schwengel, 1955, p. 77, pl. 15, fig. 98 Recent
San Carlos Bay, Sanibel, Lee Co., Fla.
- 24868 **Tellina magna** Spengler Hypotype
Perry and Schwengel, 1955, p. 78, pl. 41, fig. 297
Cedar Key, Levy Co., Fla. Recent
- 24870 **Tellina martinicensis** d'Orbigny Hypotype
Perry and Schwengel, 1955, p. 78, pl. 42, fig. 299
Cabanas Harbor, Piñar del Río Prov., Cuba Recent
- 24928 **Tellina mera** Say Representative specimen
Perry and Schwengel, 1955, p. 80, text fig. 4
Six fm. off Captiva, Lee Co., Fla. Recent

- 21245 **Tellina (Arcopagia) nasua** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 250, pl. 26, fig. 17
 Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
 Miocene
- 1218 **Tellina papyria** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 159, pl. 49, fig. 8
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 1219 **Tellina papyria** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 159, pl. 49, fig. 9
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 1220 **Tellina papyria** Conrad Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 159, pl. 49, fig. 11
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 24025 **Tellina (Moerella) paraguanensis** H. K. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 12,
 pl. 5, fig. 5
 Cantuare*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
 of Falcón, Ven. lower Miocene
- 24026 **Tellina (Moerella) paraguanensis** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p. 12,
 pl. 5, figs. 6, 11
 Cantuare*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
 of Falcón, Ven. lower Miocene
- 24874 **Tellina pauperata** d'Orbigny Hypotype
 Perry and Schwengel, 1955, p. 81, pl. 43, fig. 304
 Charlotte Harbor, Charlotte Co., Fla. Recent
- 24022 **Tellina (Moerella) quirosana** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., v. 16, No. 59, 1931, p. 12,
 pl. 5, figs. 1, 4
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 24023 **Tellina (Moerella) quirosana** H. K. Hodson Paratype
 Hodson, F., and Hodson, H. K., v. 16, No. 59, 1931, p. 12,
 pl. 5, fig. 2
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene
- 24024 **Tellina (Moerella) quirosana** H. K. Hodson Paratype
 Hodson, F., and Hodson, H. K., v. 16, No. 59, 1931, p. 12,
 pl. 5, fig. 3
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
 of Miranda, St. of Zulia, Ven. upper Oligocene

- 1229 *Tellina raveneli* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 167, pl. 51, figs. 1, 1a
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1230 *Tellina raveneli* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 167, pl. 51, fig. 2
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1231 *Tellina raveneli* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 167, pl. 51, figs. 3, 5
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 1232 *Tellina raveneli* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 167, pl. 51, fig. 4
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 4378 *Tellina (Acropagia) raveneli weisbordi* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 104, pl. 22, fig. 19
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 21234 *Tellina rovala* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 249, pl. 26, fig. 8
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21236 *Tellina rovala* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 249, pl. 26, fig. 7
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 24872 *Tellina rubricata* L. Perry Holotype
Perry and Schwengel, 1955, p. 79, pl. 42, fig. 301
Sanibel, Lee Co., Fla. Recent
- 24871 *Tellina sayi* Dall Hypotype
Perry and Schwengel, 1955, p. 79, pl. 42, fig. 300
Sanibel, Lee Co., Fla. Recent
- 24875 *Tellina similis* Sowerby Hypotype
Perry and Schwengel, 1955, p. 82, pl. 43, fig. 305
Sanibel, Lee Co., Fla. Recent
- 71 *Tellina* [sp.] Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 68, pl. 6, fig. 8
Hannah's, 1 3/4 mi. N. of Crainesville, Hardeman Co., Tenn.
Midway gr., Paleocene

- 1221 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 6, No. 31, 1919, p. 162, pl. 49, fig. 13
Ft. Gaines, Clay Co., Ga. McBean fm., upper Claiborne
gr., middle Eocene
- 1222 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 6, No. 31, 1919, p. 162, pl. 49, fig. 14
Ft. Gaines, Clay Co., Ga. McBean fm., upper Claiborne
gr., middle Eocene
- 1228 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 6, No. 31, 1919, p. 162, pl. 50, fig. 21
Ft. Gaines, Clay Co., Ga. McBean fm., upper Claiborne
gr., middle Eocene
- 24518 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 24, pl. 13, fig. 1
Pennsylvania Cement Corp., Plant 2, Clinchfield quarry, Hous-
ton Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24519 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 24, pl. 13, fig. 2
Georgia Lime Rock quarry about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24520 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 24, pl. 13, fig. 3
Clinchfield quarry, Houston Co., Ga. "Ocala ls.", Jack-
son gr., upper Eocene
- 24521 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 24, pl. 13, fig. 4
Georgia Lime Rock quarry about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24526 *Tellina* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 26, pl. 13, fig. 9
Florida Lime Products Co., near Ocala, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 4379 *Tellina (Arcopagia) spillmani corvia* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 105,
pl. 22, fig. 21
Crow Cr., near Forrest City, St. Francis Co., Ark.
lower Jackson gr., upper Eocene
- 232 *Tellina subtriangularis* Aldrich Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 73, pl. 14, fig. 11
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 1215 *Tellina tallicheti* Harris Holotype
Harris, Acad. Nat. Sci. Phila. Proc. 1895, p. 51, pl. 3, fig. 1;
Harris, B.A.P., v. 6, No. 31, 1919, p. 158, pl. 49, figs. 3, 4
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene

- 1216 ***Tellina tallicheti* Harris** Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 158, pl. 49, fig. 5
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 24873 ***Tellina tampaensis* Conrad** Hypotype
Perry and Schwengel, 1955, p. 81, pl. 42, fig. 302
Sanibel, Lee Co., Fla. Recent
- 170 ***Tellina (Arcopagia) trumani* Harris** Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 73, pl. 12, fig. 15
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 230 ***Tellina (Arcopagia) trumani* Harris** Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 73, pl. 14, fig. 10
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 231 ***Tellina (Arcopagia) trumani* Harris** Syntype
Harris, B.A.P., v. 2, No. 9, 1897, p. 73, pl. 14, fig. 10a
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 1217 ***Tellina trumani australina* Harris** Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 159, pl. 49, fig. 6
Orangeburg, Orangeburg Co., S. C. McBean fm., upper
Claiborne gr., middle Eocene
- 4363 ***Tellina trumani garlandica* Harris** Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 100,
pl. 22, figs. 1-3
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 21240 ***Tellina (Angulus) umbra* Dall** Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 253, pl. 26, fig. 12
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21243 ***Tellina (Angulus) umbra* Dall** Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 253, pl. 26, fig. 15
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 4371 ***Tellina vauhani* Cooke** Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 102,
pl. 22, figs. 13-15
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 4372 ***Tellina vauhani* Cooke** Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 102,
pl. 22, fig. 16
Gopher Hill [Baker's], Washington Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4377 **Tellina vauhani** Cooke "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 103,
pl. 22, fig. 17
Moody's Branch, Jackson, Hinds Co., Miss. Moody's
Branch fm., lower Jackson gr., upper Eocene
- 24869 **Tellina versicolor** Cozzens Hypotype
Perry and Schwengel, 1955, p. 79, pl. 41, fig. 298
Sanibel, Lee Co., Fla. Recent
- 4369 **Tellina vicksburgensis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, figs. 9, 10
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 4370 **Tellina vicksburgensis** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, figs. 11, 12
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 4364 **Tellina vicksburgensis moodiana** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, fig. 4
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4365 **Tellina vicksburgensis moodiana** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, fig. 5
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4366 **Tellina vicksburgensis moodiana** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, fig. 6
Moody's Branch, Jackson, Hinds Co., Miss. Moody's Branch
fm., lower Jackson gr., upper Eocene
- 4367 **Tellina vicksburgensis moodiana** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, fig. 7
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 4368 **Tellina vicksburgensis moodiana** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 101,
pl. 22, fig. 8
Jackson, Hinds Co., Miss. Moody's Branch fm., lower
Jackson gr., upper Eocene
- 882 **Tellina waringi** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 119, pl. 20, fig. 14
Junc. Mayo and Couva main rd., W. central Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene

- 6024 **Tellinomya** sp. Figured specimen
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 73, pl. 8, fig. 4
 Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
 St. of Zulia, Ven. Caño Grande fm., Lower-Middle
 Devonian
- 6025 **?Tellinopsis venezuelanus** Harris Holotype
 Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
 p. 74, pl. 8, fig. 5
 Float in Caño del Oeste branch of upper Río Cachimí, Dist. of
 Maracaibo, St. of Zulia, Ven. Devonian-Carboniferous
- 2940 **Tenagodus (Agathirses) texanus** Palmer Holotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 212, pl. 28, fig. 11
 Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
 Cook Mt. fm., upper Claiborne gr., middle Eocene
 (Stenzel, 1939, p. 854)
- 2931 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 7
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2932 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 10
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2933 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 12
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2934 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 15
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2935 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 16
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 2936 **Tenagodus vitis** (Conrad) Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 211, pl. 28, fig. 17
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., uppermost Claiborne gr., middle Eocene
- 4799 **"Terebra" additiva** Palmer Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 446,
 pl. 62, fig. 5
 Montgomery Ldg., Red R., Grant Par., La. Moody's
 Branch fm., lower Jackson gr., upper Eocene
- 20888 **Terebra benthalis bocasensis** Olsson Syntype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 41, pl. 1, fig. 25

- Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 20888a *Terebra benthalis bocasensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 41, pl. 1, fig. 26
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm., middle Miocene
- 20881 *Terebra berlinerae* Maury Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 39, pl. 1, figs. 17, 18
Boucary Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 1003 *Terebra bipartita* Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 183, pl. 32, fig. 2
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park sugar mill near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene
- 20865 *Terebra bipartita* Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 35, pl. 1, fig. 1
Saury Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 20866 *Terebra bipartita* Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 35, pl. 1, fig. 2
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 22943 *Terebra bipartita* Sowerby Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 52, pl. 6, fig. 2
Morro Hermoso, Dept. of Atlantico, Col. Miocene
- 3426 *Terebra calhounensis* Maury Lectotype*
Maury, B.A.P., v. 4, No. 21, 1910, p. 4, pl. 1, fig. 3
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 3426a *Terebra calhounensis* Maury Paratypes
Maury, B.A.P., v. 4, No. 21, 1910, p. 4 (2 specimens)
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 24825 *Terebra concava vinosa* Dall Representative specimen
Perry and Schwengel, 1955, p. 177, pl. 37, fig. 252
Four-six fm., off Sanibel, Lee Co., Fla. Recent
- 20882 *Terebra costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 40, pl. 1, fig. 19
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 4027 *Terebra (Strioterebrum) cracilenta* Li Hypotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 47, pl. 11, fig. 5
Río La Vaca, 20 km. N. 45° W. of Puerto Armuelles, Puntarenas Prov., C. R. Charco Azul fm., Pliocene

- 6056 ***Terebra dislocata*** Say Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 366, fig. 111
Casa Ybel, Sanibel, Lee Co., Fla. Recent
- 24824 ***Terebra dislocata*** Say Representative specimen
Perry and Schwengel, 1955, p. 177, pl. 37, fig. 251
Sanibel, Lee Co., Fla. Recent
- 20873 ***Terebra estrellana*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 40, pl. 1, fig. 9
Estrella R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20874 ***Terebra estrellana*** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 40, pl. 1, fig. 16
Estrella R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20869 ***Terebra gatunensis*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 36, pl. 1, fig. 5
Gatun, C. Z. Gatun fm., middle Miocene
- 20870 ***Terebra gatunensis*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 36, pl. 1, fig. 6
Gatun, C. Z. Gatun fm., middle Miocene
- 22945 ***Terebra gatunensis*** Toula Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 51, pl. 6, fig. 4
Cedral near Piedras de Afilar, Dept. of Atlantico; or E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 20868 ***Terebra gatunensis*** Toula "var." Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 36, pl. 1, fig. 4
Gatun, C. Z. Gatun fm., middle Miocene
- 20872 ***Terebra gausapata*** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 38, pl. 1, fig. 8
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 20875 ***Terebra gausapata*** Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 38, pl. 1, fig. 10
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 4026 ***Terebra* (*Strioterebrum*) *guanabana*** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 46, pl. 11, fig. 4
Río Guanabanon, 4 km. upstream from mouth, Chiriquí Prov., Pan. Charco Azul fm., Pliocene
- 20867 ***Terebra* cf. *haitensis*** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 35, pl. 1, fig. 3
Sousi Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 2265 ***Terebra* (*Strioterebrum*) *herviderana*** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 148, pl. 15, fig. 3
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene

- 2269 **Terebra (Strioterebrum) herviderana** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 148, pl. 15, fig. 7
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 22944 **Terebra ? isaacpetiti** Maury Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 52, pl. 6, fig. 3
Near Tuberá ?, Dept. of Atlantico, Col. middle Miocene
- 4794 **Terebra (Mirula) jacksonensis** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 447,
pl. 62, fig. 1
Moody's Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4795 **Terebra (Mirula) jacksonensis** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 447,
pl. 62, fig. 2
White Bluff, S. bank of Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4796 **Terebra (Mirula) jacksonensis** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 447,
pl. 62, fig. 6
White Bluff, S. bank of Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4797 **Terebra (Mirula) jacksonensis** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 447,
pl. 62, fig. 7
White Bluff, S. bank of Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4798 **Terebra (Mirula) jacksonensis** Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 447,
pl. 62, fig. 3
Moody's Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 1009 **Terebra manzanillae** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 184, *manzanillae*, pl. 32,
fig. 8 *manzanillica nomen nudum*
Manzanilla, E. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., lower Miocene
- Terebra (Terebrella) mirula** de Gregorio
De Gregorio, Ann. Geol. Pal., 7 liv. 1890, p. 33; Palmer, B.A.P.,
v. 7, No. 32, 1937, p. 467
See *Terebra texaggyra* Harris
Type species of *Terebrella* Palmer, 1937 = *Mirula* Palmer, 1942,
Jr. Pal., v. 16, No. 5, p. 674
- 3340 **Terebra (Terebrella) mirula** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 467, pl. 72, fig. 10
Lapinere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
Terebra (Mirula) mirula de Gregorio, Palmer, 1942

- 3341 ***Terebra (Terebrella) mirula*** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1397, p. 467, pl. 72, figs. 8, 11
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3345 ***Terebra (Terebrella) mirula*** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 467, pl. 72, fig. 17
Hurricane Bayou, near crossing of Rusk road, Houston Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3346 ***Terebra (Terebrella) mirula*** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 467, pl. 72, fig. 18
S. fork Hurricane Cr., 2 mi. W. of Crockett, Houston Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3347 ***Terebra (Terebrella) mirula*** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 467
Hurricane Bayou near crossing of Rusk road, Houston Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24215 ***Terebra (Strioterebrum) negritensis*** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 28, pl. 5, fig. 5
Salina near Negritos, Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 24218 ***Terebra (Strioterebrum) negritensis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 28, pl. 5, fig. 8
Salina near Negritos, Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 24225 ***Terebra (Strioterebrum) negritensis*** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 28, pl. 5, fig. 16
Salina near Negritos, Dept. of Piura, Peru Talara fm.,
lower upper Eocene
- 4029 ***Terebra (Strioterebrum) panamillata*** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 48, pl. 11, fig. 3
Quebrada Rabo de Puerco, Chiriquí Prov., Pan. Armuel-
les fm., Pleistocene
- 2270 ***Terebra (Strioterebrum) pavonia*** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 146, pl. 15, fig. 8
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 2271 ***Terebra (Strioterebrum) pavonia*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 146, p. 15, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 24826 ***Terebra protexta*** (Conrad) Representative specimen
Perry and Schwengel, 1955, p. 177, pl. 37, fig. 253
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 20889 ***Terebra pumbriensis*** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 41, pl. 1, fig. 27
Pumbri Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

- 21357 **Terebra** sp. Figured specimen
Palmer, B.A.P., v. 10, No. 40, 1923, p. 11, pl. 2, fig. 4
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9° 45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh., lower Miocene
- 20270 **Terebra (Acus)** sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 190, depth 3942-3960 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20271 **Terebra (Acus)** sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Tía Juana No. 122, depth 3020-3030 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20878 **Terebra spirifera** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 38, pl. 1, fig. 13
Banana R., Limon Prov., C. R. Gatun fm., middle Miocene
- 20871 **Terebra spirifera midiensis** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 39, pl. 1, fig. 7
Middle Creek, Limon Prov., C. R. Gatun fm., middle Miocene
- 1004 **Terebra sulcifera** Sowerby Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 182, pl. 32, fig. 3
Brasso Venada Ravine, 3 mi. E. of Brasso Station, E. Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Manzanilla fm., Miocene
- 2266 **Terebra (Strioterebrum) tafalla** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 149, pl. 15, fig. 4
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 2984 **Terebra texagyra** Harris Holotype
Harris, Acad. Nat. Sci. Phila., v. 47, Proc., 1895, p. 54, pl. 3, fig. 10 (Tex. St. Mus. No. 591)
Hurricane Bayou, S. fork, 2 mi. W. Crockett, Houston Co., Tex. Cook Mt. fm., upper Claiborne gr., middle Eocene
See *Terebra (Terebrella) mirula* de Gregorio
- 2263 **Terebra (Strioterebrum) ulloa** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 147, pl. 15, fig. 1
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2264 **Terebra (Strioterebrum) ulloa** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 147, pl. 15, fig. 2
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 4028 **Terebra (Strioterebrum) vaca** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 47, pl. 11, figs. 6, 7

Río La Vaca, 20 km. N. 45° W. of Puerto Armuelles, Puntarenas
Prov., C. R. Charco Azul fm., Pliocene

- 20876 ***Terebra wolfgangi*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 37, pl. 1, fig. 11
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 20877 ***Terebra wolfgangi*** Toula Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 37, pl. 1, fig. 12
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 2267 ***Terebra (Strioterebrum) zapotalensis*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 148, pl. 15, fig. 5
Zapotal, Dept. of Tumbes, Peru lower Zorritos fm.,
lower Miocene
- Terebratula trinitatensis*** Guppy Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
100, pl. 18, figs. 10-13 (lost prior to 1937)
One hundred yd. N. of Bontour Point, W. Naparima Ward, W.
Victoria Co., Trinidad, W. I. Upper Cretaceous
- Terebratulina* sp.** Figured specimen
Harris, La. Geol. Surv. Rpt., 1899, p. 306, p. 297, pl. 51, fig. 7
(lost prior to 1937)
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 290 ***Terebrifusus amoenus*** Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 59, pl. 7, fig. 13
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 3152 ***Terebrifusus amoenus*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 307, pl. 53, figs. 6, 9
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 3153 ***Terebrifusus amoenus*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 307, pl. 53, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3154 ***Terebrifusus amoenus*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 307, pl. 53, figs. 10, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3155 ***Terebrifusus amoenus*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 307, pl. 53, fig. 15
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 3156 ***Terebrifusus amoenus*** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 307, pl. 53, fig. 16
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene

- 4671 *Terebrifusus amoenus* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2 1947, p. 354,
pl. 45, figs. 1, 2
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 24279 ?*Terebrifusus lepus* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 55, pl. 11, fig. 14
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24280 ?*Terebrifusus lepus* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 55, pl. 11, fig. 15
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3147 *Terebrifusus multiplicatus* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 308, pl. 53, figs. 3, 8
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3148 *Terebrifusus multiplicatus* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 308, pl. 53, figs. 11, 14
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 24209 ?*Terebrifusus placitus* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 55, pl. 4, fig. 17
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24210 ?*Terebrifusus placitus* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 55, pl. 4, fig. 18
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 862 *Teredo incrassata* (Gabb) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 96, pl. 18, fig. 9
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 863 *Teredo incrassata* (Gabb) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 96, pl. 18, fig. 10
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm.,
upper Miocene
- 4430 *Teredo mississippiensis* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 120,
pl. 25, fig. 12
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson, upper Eocene

- 24930 **Tethys willcoxi** Heilprin Representative specimen
Perry and Schwengel, 1955, p. 194, pl. 55, figs. 364a, b
Sanibel, Lee Co., Fla. Recent
- 5365 **Tetranodoceras transversum** (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 42, pl. 6, figs. 1-3, 5
Union Springs [*fide* Flower] Cayuga Co., N. Y. [not Stock-
bridge as in expl. of pl.] Cherry Valley ls., Marcellus
fm., lower Erian series, Middle Devonian
Type species of *Tetranodoceras* Flower, 1936
- 5366 **Tetranodoceras transversum** (Hall) Hypotype
Flower, B.A.P., v. 22, No. 76, 1936, p. 42, pl. 6, fig. 4
Stockbridge, Madison Co., N. Y. Cherry Valley ls.,
Marcellus fm., lower Erian series, Middle Devonian
- 2860 **Texania texana** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 182, pl. 21, fig. 21
Exact locality lost, La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
Type species of *Texania* Palmer, 1937 = *Texmelanatria* Palmer,
1942, Jour. Pal., v. 16, No. 5, p. 674
- 2861 **Texania texana** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 182, pl. 21, fig. 22
Big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm,
3 mi. NW. Stone City, Burleson Co., Tex. Probably is Cedar
Cr., near Wheelock, Robertson Co., Tex. (personal commun.,
Stenzel, 1958) Cook Mt. fm., upper Claiborne gr., middle
Eocene = *Texmelanatria texana* (Heilprin), Palmer, 1942
- 2862 **Texania texana** (Heilprin) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 182, pl. 21, fig. 23
Little Brazos R. 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 22000 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22001 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22002 **Textularia articulata** d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22003 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 36, figs. 9a, b
(megalospheric form)
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene

- 22004 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22005 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22006 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22007 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22008 **Textularia articulata** d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22009 **Textularia articulata** d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22010 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22011 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22012 **Textularia articulata** d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22013 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22014 **Textularia articulata** d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 36, fig. 11
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22015 **Textularia articulata** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 35, figs. 1, 2a, b

- Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22016 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 22017 *Textularia articulata* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 22018 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22019 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 36, figs. 4a, b, 5
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22020 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22021 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 36, figs. 15, 16
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22022 *Textularia articulata* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22023 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 36, figs. 6a-c
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22024 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Moore House Beach, 4 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22025 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Powell's Lake Spillway, *Ecphora* bed (3d from top sand), James
City Co., Va. Yorktown fm., upper Miocene
- 22026 *Textularia articulata* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Powell's Lake Spillway, *Pedalion maxillata* (bottom bed), James
City Co., Va. Yorktown fm., upper Miocene

- 22485 *Textularia articulata* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316
Carter's Grove, base of bank, James City Co., Va. Yorktown fm., upper Miocene
- 22027 *Textularia badenensis* Lalicker Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 316, pl. 35, figs. 3a-c
Carter's Grove, bank base lower beach, James City Co., Va. Yorktown fm., upper Miocene
- 25153 *Textularia bibollensis humblei* Cushman and Applin
Hadley, B.A.P., v. 20, No. 70A, 1934. Included in original study collection.
No locality or age indicated.
- 22028 *Textularia* cf. *boeki* Hoglund Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Moore House Beach, base of bank on beach, York Co., Va. Yorktown fm., upper Miocene
- 22029 *Textularia* cf. *boeki* Hoglund Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317, pl. 36, figs. 10a, b
Carter's Grove, basal gravel bed upper beach, James City Co., Va. Yorktown fm., upper Miocene
- 25370 *Textularia calva cojimarensis* Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 113, pl. 17, figs. 1, 2 [D.K.P. slide 191.9 - 18(14)]
S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligocene
[Miocene, Cole, 1958, p. 222]
- 22030 *Textularia candeiana* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Langley Field excavation, City of Hampton (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22031 *Textularia candelana* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317, pl. 35, fig. 11
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22032 *Textularia candeiana* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22033 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene
- 22034 *Textularia candeiana* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Camp Wallace, James City Co., Va. Yorktown fm., upper Miocene

- 22035 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22036 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22037 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22038 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317, pl. 35, fig. 7
Moore House Beach, 6 ft. up bank, York Co., Va. York-
town fm., upper Miocene
- 22039 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22040 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22041 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22042 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22043 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317, pl. 35, figs. 4a-c, 6
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22044 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22045 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22046 *Textularia candelana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317

- Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22047 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317, pl. 35, fig. 10
Carter's Grove, 10 ft. up bank, upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22048 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, 6 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22049 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22050 *Textularia candeiana* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 317
Moore House Beach, 4 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 21718 *Textularia chapapotensis* Cole Holotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 6, pl. 2, fig. 9
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25374 *Textularia concava* (Karrer) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 115, pl. 17, figs. 13, 14 [D.K.P. slide 191.9-18 (7)]
Upper beds at Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25371 *Textularia cf. dentimarginata* Nuttall Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 113, pl. 17, fig. 18 [D.K.P. Slide 191.9-18 (10)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21721 *Textularia eocaena* (Gümbel) Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 6, pl. 3, fig. 7
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22051 *Textularia eustisensis* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Crisfield Well, depth 287-320 ft., Somerset Co., Md.
Yorktown fm., upper Miocene
- 22052 *Textularia eustisensis* McLean Paratype
McLean, B.A.P., v. 36, 1960, p. 318
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene

- 22053 *Textularia eustisensis* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22054 *Textularia eustisensis* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22055 *Textularia eustisensis* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 318, pl. 35, figs. 5a, b
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no. Co.),
SE. Va. Yorktown fm., upper Miocene
- 22056 *Textularia eustisensis* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22057 *Textularia eustisensis* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, 10 ft. up bank upper beach, James City Co.,
Va. Yorktown fm., upper Miocene
- 22058 *Textularia eustisensis* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22059 *Textularia eustisensis* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 318
Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 22060 *Textularia gramen* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22061 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Camp Wallace, James City Co., Va. Yorktown fm., upper
Miocene
- 22062 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 22063 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319, pl. 36, figs. 12, 13
Moore House Beach, 6 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 22064 *Textularia gramen* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 319, pl. 36, fig. 7

- Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22065 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22066 *Textularia gramen* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22067 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Second bridge NE. of Naval Mine Depot, York Co., Va.
Yorktown fm., upper Miocene
- 22068 *Textularia gramen* d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Powell's Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22069 *Textularia gramen* d'Orbigny Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 319
Fragmental beds, Yorktown Bluffs, York Co., Va. York-
town fm., upper Miocene
- 25372 *Textularia* cf. *grenadana* Hedberg Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 114, pl. 17, figs. 7, 8 [D.K.P. slide 191.9-24 (1)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E.
of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]
- 25373 *Textularia lateralis* Lalicker Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 114, pl. 17, figs. 5, 6 [D.K.P. slide 191.9-18 (6)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E.
of junc. with Corral Nuevo-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 22070 *Textularia mayori* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 36, figs. 1a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22071 *Textularia mayori* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Langley Field excavation, City of Hampton (no Co.), SE. Va.
Yorktown fm., upper Miocene
- 22072 *Textularia mayori* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene

- 22073 *Textularia mayori* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22074 *Textularia mayori* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 36, figs. 2a-c, 3
Carter's Grove, bank base lower beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22075 *Textularia mayori* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Carter's Grove, 10 ft. up bank upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22076 *Textularia mayori* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 22077 *Textularia mayori* Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 320
Carter's Grove, basal gravel bed upper beach, James City Co., Va.
Yorktown fm., upper Miocene
- 21672 *Textularia mexicana* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 11, pl. 5, fig. 3
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 22078 *Textularia pseudobliqua* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 36, figs. 17a, b
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22079 *Textularia pseudobliqua* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 35, figs. 8, 9
Powell's Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co. Va. Yorktown fm., upper Miocene
- 22080 *Textularia pseudobliqua aspera* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 36, figs. 8a, b = *T. yorktownensis* McLean, Jour. Pal., v. 33, No. 5, 1959, p. 969, new name
Ft. Eustis Well, depth 101-135 ft., City of Warwick (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22081 *Textularia pseudobliqua aspera* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 320, pl. 36, figs. 14a, b = *T. yorktownensis* McLean, Jour. Pal., v. 33, No. 5, 1959, p. 969, new name
Carter's Grove, bank base lower beach, James City Co., Va. Yorktown fm., upper Miocene
- Textularia semicomplanata* Carsey Holotype
Carsey, Univ. Tex. Bull. 2612, p. 25, pl. 3, fig. 4 (lost prior to 1931)

Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing*, Travis Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
See *Spiroplectammia semicomplanata* (Carsey)

- 22082 **Textularia** sp. Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956
Powell's Lake Spillway, James City Co., Va. Yorktown fm., upper Miocene
- 22083 **Textularia** sp. Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956
Fragmental beds, Yorktown Bluffs, York Co., Va. Yorktown fm., upper Miocene
- 22084 **Textularia** sp. Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956
Powell's Lake Spillway, *Ecphora* bed (3d from top), James City Co., Va. Yorktown fm., upper Miocene
- 22085 **Textularia** sp. Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956
Powell's Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co., Va. Yorktown fm., upper Miocene
- 22086 **Textularia** sp. Unfigured specimens
McLean, B.A.P., v. 36, No. 160, 1956
Powell's Lake Spillway, *Pedalion maxillata* (bottom bed), James City Co., Va. Yorktown fm., upper Miocene
- 25083 **Textularia** sp. Figured specimen
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 7, pl. 1, fig. 1 (missing in 1957)
R.R. cut between Nuevitas and Pastelillo, 1½-2 km., N. of Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 20759 **Textularia washitensis** Carsey Neotype
Carsey, Univ. Tex. Bull. 2612, 1926, p. 24, pl. 7, fig. 6; Plummer, Univ. Tex. Bull. 3101, 1931, p. 127, pl. 8, fig. 5; Marks, Micropal., v. 6, No. 4, 1952, p. 39
Rt. bank of Shoal Cr., at W. end of 34th St. bridge, Austin, Travis Co., Tex. Del Rio fm., Washita gr., Lower Cretaceous
Textularia yorktownensis McLean, see *T. pseudobliqua aspera* McLean
- 25375 **Textularia yumuriana** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 116, pl. 17, figs. 3, 4 [D.K.P. slide 191.9-18 (5)]
Basal 150 ft. at NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25384 **Textulariella** sp. Figured specimen
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940, p. 121, pl. 18, figs. 2, 3 [D.K.P. slide 191.9-18 (13), missing prior to 1957]

NW. end of Yumuri Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole 1958, p. 222]

- 22087 **?Textularioides carteri** McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 321, pl. 35, figs. 12a-e
Carter's Grove, base of bank, James City Co., Va. York-
town fm., upper Miocene
- 2300 **Thais (Stramonita) berryi** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 178, pl. 19, fig. 5
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 24905 **Thais haemastoma floridana** (Conrad) Hypotype
Perry and Schwengel, 1955, p. 157, pl. 50, fig. 343
Sanibel, Lee Co., Fla. Recent
- 6057 **Thais lapillus** (Linnaeus) Hypotype
Palmer, E. L., Fieldbook of Natural History, 1949, p. 364, fig. 87
Maine Coast Recent
- 24428 **Thamnopora venezuelensis** (Weisbord) Holotype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 6, pl. 1, figs. 8, 9;
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 99, pl. 10, fig. 10 (polished longitudinal section of holotype
21597, Weisbord)
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
See *Pleurodictyum venezuelensis* Weisbord
- 6 **Thetis** sp. Figured specimen
Harris, La. Geol. Surv. Rpt., 1899, p. 295, pl. 50, fig. 6
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
Bienville, Bienville Par., La. Upper Cretaceous
- 4914 **Thianassa ciconia** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 80, pl. 13, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Thianassa* Olsson, 1944
- 24539 **Thlipsuroides thlipsuroides** Morris and Hill Paratype
Morris and Hill, B.A.P., v. 34, No. 142, 1952, p. 10
Newsom, Davidson Co., Tenn. Newsom sh., Middle Si-
lurian
- 1000 **Thracia (Cyathodonta) meridionalis** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 179, pl. 31, fig. 9
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 3569 **Thracia staufti** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 24, pl. 9, fig. 1
Quebrada Conventos, between La Breita and Fernandez in upper
Mancora Valley, Dept. of Piura, Peru Restin fm., middle
Eocene

- 21172 **Thracia (Cyathodonta) tristani** Olsson Holotype
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 211, pl. 20, fig. 3
 Río Betey, Limon Prov., C. R. Gatun fm., middle Miocene
- 20760 **Thuramminoides sphaeroidalis** Plummer Holotype
 Plummer Univ. Tex. Publ. 4401, 1945, p. 218, pl. 15, fig. 4;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank on NW. side of old San Saba-Lampasas highway, 8.3 rd. mi. E. of courthouse in San Saba and 1.5 mi. along new highway W. of Colorado R. bridge and just S. of the new highway W. of a valley that cuts across the new highway, San Saba Co., Tex.
 Strawn gr., Middle Pennsylvanian
- 20761- **Thuramminoides sphaeroidalis** Plummer Paratypes
 20763 Plummer, Univ. Tex. Publ. 4401, 1945, p. 218, pl. 15, figs. 7-9;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Bank of sh. and ss. in SE. facing slope about 0.75 mi. NE. of crossroads in N. edge of Algerita, San Saba Co., Tex.
 Strawn gr., Middle Pennsylvanian
- 20764- **Thuramminoides sphaeroidalis** Plummer Paratypes
 20765 Plummer, Univ. Tex. Publ. 4401, 1945, p. 218, pl. 15, figs. 5, 6;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Ditch on S. side of San Saba-Rochelle highway, 1.55 rd. mi. E. of crossroads at N. edge of Algerita, San Saba Co., Tex.
 Smithwick fm., Lower Pennsylvanian
- 20766 **Thuramminoides sphaeroidalis** Plummer Paratype
 Plummer, Univ. Tex. Publ. 4401, 1945, p. 218, pl. 15, fig. 10;
 Marks, Micropal., v. 6, No. 4, 1952, p. 39
 Gully about 3.5 mi. E. of Rochelle and 0.9 mi. S. of Rochelle-San Saba highway at a point 2.8 rd. mi. E. of corner N. of Rochelle where highway turns E., San Saba Co., Tex.
 Smithwick fm., Lower Pennsylvanian
- Thyasira adoccesa** Van Winkle Hypotype
 Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 112, pl. 20, fig. 9 (lost prior to 1937)
 Near the mouth of Godineau R., E. of Brighton, N. La Brea Ward, N. central St. Patrick Co., Trinidad, W.I.
 Miocene
- 4092 **Thyasira bisecta** Conrad Hypotype
 Olsson, B.A.P., v. 27, No. 106, 1942, p. 35, pl. 2, fig. 4
 Burica Point, Chiriquí Prov., Pan. Burica ss., upper Miocene or lower Pliocene
- 1979 **Thyasira montanita** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 54, pl. 6, fig. 6
 Punta Montanita, near Manglaralto, SW. Ecu. Oligocene
- 1984 **Thyasira montanita** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 54, pl. 6, fig. 11
 Punta Montanita, near Manglaralto, SW. Ecu. Oligocene

- 1976 **Thyasira peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 3
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1978 **Thyasira peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 5
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1980 **Thyasira peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 7
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1981 **Thyasira peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 8
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1982 **Thyasira peruviana** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 9
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1985 **Thyasira peruviana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 52, pl. 6, fig. 12
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 985 **Thyasira sanctiandreae†** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 166, pl. 30, figs. 2, 3
Manzanilla, E. Manzanilla Ward, central St. Andrew Co.,
Trinidad, W. I. Manzanilla fm., Miocene
- 1974 **Thyasira staufti** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 6, fig. 1
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1975 **Thyasira staufti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 6, fig. 2
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1977 **Thyasira staufti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 6, fig. 4
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1986 **Thyasira staufti** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 51, pl. 6, fig. 13
Lomitos, Dept. of Piura, Peru Lomitos cherts, Oligocene
- 1983 **Thyasira tessaria** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 53, pl. 6, fig. 10
Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 1987 **Thyasira tessaria** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 53, pl. 6, fig. 14
Pabo, 5-6 mi. SE. Lagunitos,* Dept. of Piura, Peru
Cone Hill sh., Heath fm., upper Oligocene
- 2678 **Tiburnus eboreus** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 56, pl. 5, figs. 21, 22, 25,
26, 29

Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2675 **Tiburnus texanus** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 57, pl. 5, fig. 3
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La., (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2676 **Tiburnus texanus** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 57, pl. 5, figs. 5, 6
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 951 **Tivela austeniana maturensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 144, pl. 27, fig. 1
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., upper Pliocene
- 952 **Tivela mactroides** (Born) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 143, pl. 27, fig. 3
Erin Point SW. shore, S. Erin Ward, S. central St. Patrick Co.,
Trinidad, W. I. Recent
- Tivela mactroides** (Born) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 143, pl. 26, fig. 8 (lost
prior to 1937)
St. Thomas I., Virgin Islands, W. I. Recent
- 1692 **Tivela mactroides** (Born) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 111, pl. 22, fig. 21
S. shore, Gulf of Venezuela Recent
- 1691 **Tivela nasuta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 110, pl. 22, fig. 7; not same
as fig. 19 as in explanation of pl.
Gulf of Venezuela Recent
- 1691a **Tivela nasuta** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 110, pl. 22, fig. 19
Gulf of Venezuela Recent
- 24306 **Tivela scarificata** Berry Paratype
Berry, B.A.P., v. 25, No. 94A, 1940, p. 5
NW. corner Beacon and 2d St., San Pedro, Los Angeles Co.,
Calif. Pleistocene
- 4938 **Torgnellus peruvianus** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 93, pl. 14, figs. 7, 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
Type species of *Torgnellus* Olsson, 1944

- 304 **Tornatellaea bella** Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 6, pl. 1, fig. 6
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20027 **Tornatellaea bella** Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 459,
pl. 64, fig. 10
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 20028 **Tornatellaea lata** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, fig. 11
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 20029 **Tornatellaea lata** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, figs. 12, 16
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 20030 **Tornatellaea lata** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, fig. 13
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 20031 **Tornatellaea lata** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, fig. 14
Gopher Hill, near St. Stephens Bluff, Tombigbee R., Washing-
ton Co., Ala. Gosport sd., uppermost Claiborne gr.,
middle Eocene
- 20032 **Tornatellaea lata** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 458,
pl. 64, fig. 15
Little Stave Cr., Clarke Co., Ala. Gosport sd., upper-
most Claiborne gr., middle Eocene
- 20272 **Tornatellaea** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Rodriguez No. 401, depth 1744-1765 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa
fm., lower Miocene
- 24294 **?Tornatelleae** sp. Figured specimen
Olsson, B.A.P., v. 17, No. 62, 1930, p. 73, pl. 12, fig. 11
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 1413 **Tornatina angelinae** Harris Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 17, pl. 2,
fig. 14; Palmer, B.A.P., v. 7, No. 32, 1937, pp. 485, 495; Harris
and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 456
Angelina R., 2 mi. above Marion, Angelina Co., Tex.
Claiborne gr., middle Eocene

- 4493 ***Tornus infraplicatus*** (Johnson) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 231,
pl. 27, figs. 17, 18
Jackson, Hinds Co., Miss. Moodys Branch fm., lower
Jackson gr., upper Eocene
- 25175 ***Torreina torrei*** Palmer Hypotype
Kupper, Cont. Cushman Fd., v. 5, Pt. 4, No. 121, 1954, p. 182,
pl. 33, fig. 3
One km. S. of Central Jesús Maria, Matanzas Prov., Cuba
Habana fm., Campanian-Maestrichtian, Upper Cre-
taceous
- 4931 ***Tortucerithium textilis*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 88, pl. 13, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
Type species of *Tortucerithium* Olsson, 1944
- 4932 ***Tortucerithium textilis*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 88, pl. 13, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4933 ***Tortucerithium textilis*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 88, pl. 13, fig. 3
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 24650 ***Trachycardium egmontianum*** (Shuttleworth)
Representative specimen
Perry and Schwengel, 1955, p. 67, pl. 12, fig. 71
Sanibel, Lee Co., Fla. Recent
- 24651 ***Trachycardium muricatum*** (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 67, pl. 12, fig. 72
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 1667 ***Transennella carolinensis*** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 92, pl. 16, fig. 7
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1668 ***Transennella carolinensis*** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 92, pl. 16, fig. 9
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 1669 ***Transennella carolinensis*** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 92, pl. 16, fig. 15
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 24657 ***Transennella conradiana*** (Dall) Representative specimen
Perry and Schwengel, 1955, p. 70, pl. 13, fig. 78 (*sic Transennella*)
Sanibel, Lee Co., Fla. Recent

- 24658 **Transennella cubaniana** (d'Orbigny) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 63, pl. 13, fig. 79; Perry
and Schwengel, 1955, p. 70, pl. 13, fig. 79 (*sic Transenella*)
Sanibel, Lee Co., Fla. Recent
- 2224 **Transennella herviderana** Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 121, pl. 10, fig. 2
Quebrada Heath, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 20306 **Transennella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696 (*sic Transenella*)
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 24659 **Transennella stimpsoni** Dall Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 63, pl. 13, fig. 79a; Perry
and Schwengel, 1955, p. 71, pl. 13, fig. 79a (*sic Transenella*)
Sanibel, Lee Co., Fla. Recent
- 2959 **Transovula (Oxycypraea) naviculae** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 238, pl. 30, figs. 15, 23
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 1203 **Trapezium claibornense** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 154, pl. 48, figs. 3, 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3747 **Trigonarca gerhardti** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 25, pl. 7, fig. 5
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian
- 3748 **Trigonarca gerhardti** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 25, pl. 7, fig. 6
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., Dept. of Piura,
Peru Pananga fm., Aptian—upper Albian
- 3711 **Trigonarca meridionalis** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 24, pl. 2, fig. 1; pl. 6,
fig. 8
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 3713 **Trigonarca meridionalis** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 24, pl. 2, fig. 3
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura,
Peru Monte Grande fm., Maestrichtian
- 142 **Trigonarca pulchra** (Gabb) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 48
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabne] gr., lower Eocene

- 144 **Trigonarca pulchra** (Gabb) "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 48, pl. 8, figs. 2, 2a
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 9 **Trigonia eufaulensis** Gabb Hypotype
Harris, La. Geol. Surv. Rpt., 1899, p. 295, pl. 50, fig. 9
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
of Bienville, Bienville Par., La. Upper Cretaceous
- 4812 **Trigonia (Scabrotrigonia) gerthi** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 42, pl. 3, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 4813 **Trigonia (Scabrotrigonia) gerthi** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 42, pl. 3, figs. 5, 10
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 20145 **Trigonia hondaana** I. Lea and **Trigonia** sp. group of **T. crenulata**
Lamarck Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1644
Ls. float in Quebrada La Luna, Dist. of Perijá, St. of Zulia,
Ven. Apón fm., Cogollo gr., Middle Cretaceous
- 4819 **Trigonia hopkinsi** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 43, pl. 3, fig. 1
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Radiolite ss., *Baculites* zone, Maestrichtian
- 4013 **Trigonia varians** Engelhardt Hypotype
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 51.
Identified by E. W. Berry
On road from Biblián to Azógues, Cañar Prov., Ecua.
Biblián ss., possible Miocene
- 24865 **Trigoniocardia media** (Linnaeus) Hypotype
Perry and Schwengel, 1955, p. 68, pl. 41, fig. 293
Six fm. off Sanibel, Lee Co., Fla. Recent
- 20304 **Trigoniocardia** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 20221 **Trigoniocardia** sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Punta Benitez No. 159, depth 3070-3080 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20222 **Trigoniocardia** sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Icotea No. 4, depth 1114-1132 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene

- 3350 **Trigonostoma aurorae** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 445, pl. 73, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3351 **Trigonostoma aurorae** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 445, pl. 73, figs. 15, 16
Orangeburg district, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 3352 **Trigonostoma babylonicum** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 437, pl. 73, fig. 25
About 6 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3353 **Trigonostoma babylonicum** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 437, pl. 73, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3354 **Trigonostoma babylonicum** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 437, pl. 73, fig. 24
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3355 **Trigonostoma babylonicum** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 437, pl. 73, fig. 26
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3304 **Trigonostoma gemmatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 438, pl. 69, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3305 **Trigonostoma gemmatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 438, pl. 69, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3306 **Trigonostoma gemmatum** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 438, pl. 69, figs. 19, 20
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3308 **Trigonostoma harrisi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 444, pl. 70, figs. 3, 6
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 299 **Trigonostoma milleri** Burch Paratype
Burch, Min. Conch. Club So. Calif., No. 94, 1949, p. 3;
Burch, Min. Conch. Club So. Calif., No. 179, 1958, p. 1
Presented by Mrs. Z. W. Craine, May 6, 1958. Acc. 349. Coll.
Herman W. Miller, 1947
Beach at Tambor near Puntarenas, Puntarenas Prov., C. R.
Recent

- 3298 **Trigonostoma panones** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 442, pl. 69, fig. 10
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3299 **Trigonostoma panones** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 442, pl. 69, fig. 11
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 3302 **Trigonostoma panones juniperum** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 443, pl. 69, fig. 13
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3303 **Trigonostoma panones juniperum** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 443, pl. 69, figs. 18, 23
Exact data lost, La. Cook Mt. fm., upper Claiborne gr., Middle Eocene
- 3300 **Trigonostoma panones smithvillense** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 443, pl. 69, fig. 21
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm, upper Claiborne gr., middle Eocene
- 3301 **Trigonostoma panones smithvillense** (Harris) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 443, pl. 69, fig. 22
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3309 **Trigonostoma pulcherrimum chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 442, pl. 70, fig. 4
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 3310 **Trigonostoma pulcherrimum chavani** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 442, pl. 70, fig. 10
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm, upper Claiborne gr., middle Eocene
- 20003 **Trigonostoma selectum** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 411, pl. 63, figs. 21, 22
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 20007 **Trigonostoma selectum** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 411, pl. 63, fig. 20
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 21702 **Triloculina gibba** d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 1, figs. 7, 8
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene

- 21346 **Triloculina tricarinata** d'Orbigny Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 10, pl. 1, figs. 3, 4
Cahuita well, depth 3818-3861.5 ft., 22 mi. SE. Limon, lat 9°
45' N.; long 82° 50' W., Limon Prov., C. R. Uscari sh.,
lower Miocene
- 347 **Trinacria adamsi** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 25, pl. 7, fig. 1
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 348 **Trinacria adamsi** Palmer Paratype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 25, pl. 7, fig.
2
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 349 **Trinacria adamsi** Palmer Holotype
Price and Palmer, Jour. Pal., v. 2, No. 1, 1928, p. 25, pl. 7,
fig. 5
Mouth of Gazley Cr., Colorado R., Smithville, Bastrop Co., Tex.
upper Queen City fm., lower Claiborne gr., middle
Eocene
- 525 **Trinacria (Pachecoa) cainei** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 46, pl. 20, figs. 3, 3a
Three-six mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
Type species of *Pachecoa* Harris, 1919
- 4218 **Trinacria corvannis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 53,
pl. 13, figs. 3, 4
Crow Cr., near Forrest City, St. Francis Co., Ark. lower
Jackson gr., upper Eocene
- 523 **Trinacria cossmanni** (Dall) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 45, pl. 20, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 524 **Trinacria cossmanni** (Dall) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 45, pl. 20, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 496 **Trinacria cuneus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 37, pl. 18, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 497 **Trinacria cuneus** (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 37, pl. 18, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 507 *Trinacria decisa* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 41, pl. 19, fig. 1
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 508 *Trinacria decisa* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 41, pl. 19, fig. 2
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 506 *Trinacria decisa abbreviata* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 18, fig. 19
Six mi. WNW. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 505 *Trinacria decisa carolina* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 18, figs. 18, 18a
WNW. Orangeburg, Orangeburg Co., S. C. McBean
fm., upper Claiborne gr., middle Eocene
- 509 *Trinacria declivis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, fig. 3
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 510 *Trinacria declivis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, fig. 4
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 511 *Trinacria declivis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, fig. 5
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 512 *Trinacria declivis* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, fig. 6
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 518 *Trinacria ellipsis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 44, pl. 19, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 519 *Trinacria ellipsis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 44, pl. 19, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 520 *Trinacria ellipsis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 44, pl. 19, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 521 *Trinaeria ellipsis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 44, pl. 19, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 522 *Trinaeria ellipsis lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 45, pl. 19, fig. 17
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- Trinaeria ellipsis lisbonensis* Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 45, pl. 19, fig. 16 (lost
prior to 1937)
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 498 *Trinaeria ledoides* (Meyer) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 38, pl. 18, figs. 10, 10a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 515 *Trinaeria ovalis* Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 43, pl. 19, figs. 9, 9a
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 513 *Trinaeria pectuncularis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, figs. 7, 7a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 514 *Trinaeria pectuncularis* (Lea) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 42, pl. 19, figs. 8, 8a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 516 *Trinaeria perplana* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 43, pl. 19, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 517 *Trinaeria perplana* (Conrad) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 43, pl. 19, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 499 *Trinaeria pulchra* (Gabb) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 40, pl. 18, fig. 11
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene. (See *Pachecoia smithvillensis* Stenzel
and Twining in Stenzel, Krause, and Twining, 1957, p. 67)
- 500 *Trinaeria pulchra* (Gabb) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 40, pl. 18, fig. 12
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene. (See *Pachecoia smithvillensis* Stenzel
and Twining in Stenzel, Krause, and Twining, 1957, p. 67)

- 501 ***Trinaeria pulchra*** (Gabb) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 40, pl. 18, fig. 13
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene. (See *Pachecoa smithvillensis* Stenzel and Twining in Stenzel, Krause, and Twining, 1957, p. 67)
- 502 ***Trinaeria pulchra*** (Gabb) Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 40, pl. 18, fig. 14
Chautauqua, Lincoln Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 503 ***Trinaeria pulchra sabinica*** Harris Paratype
Harris, B.A.P., v. 6, No. 31, 1919, p. 41, pl. 18, fig. 15
"Mt. Lebanon", Bienville Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 504 ***Trinaeria pulchra sabinica*** Harris Lectotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 41, pl. 18, fig. 16
Texas side of Sabine R., opposite SE. $\frac{1}{4}$ Sec. 35 T. 5 N., R. 13 W., Sabine Par., La. Stone City beds, middle Claiborne gr., middle Eocene
Lectotype by Stenzel, Krause, and Twining, 1957, p. 66. Locality see Stenzel, Krause, and Twining p. 66; Veatch survey, 1902, p. 129. See *Pachecoa sabinica* (Harris)
- 1375 ***Triphora bartschi*** (Olsson) Syntypes
Olsson, B.A.P., v. 5, No. 27, 1916, p. 17, pl. 3, fig. 7 (2 specimens) [as *Triphoris*]
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
Triphoris Deshayes, 1832 = *Triphora* Blainville, 1828
- 1376 ***Triphora duplinianus*** (Olsson) Syntypes
Olsson, B.A.P., v. 5, No. 27, 1916, p. 18, pl. 3, fig. 8 (2 specimens) [as *Triphoris*]
Natural Well, 2 mi. SW. of Magnolia, Duplin Co., N. C.
Duplin fm., upper Miocene
- 2952 ***Triphora major*** (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 229, pl. 30, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2953 ***Triphora major*** (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 229, pl. 30, fig. 4
Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2954 ***Triphora major*** (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 229, pl. 30, figs. 8, 9
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24762 ***Triphora perversa nigrocineta*** (C. B. Adams)
Representative specimen
Perry and Schwengel, 1955, p. 139, pl. 27, fig. 189
Sanibel, Lee Co., Fla. Recent

- 2958 *Triphora similis* (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 229, pl. 30, figs. 10, 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 5064 *Triplecia extans* Emmons Hypotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 38, pl. 19, fig. 4
Crown Point, Essex Co., N. Y. Black R. ls., Mohawkian,
middle Champlainian (Middle) Ordovician
- 5055 *Triplecia gracilis* Raymond Holotype
Raymond, B.A.P., v. 3, No. 14, 1902, p. 37, pl. 18, fig. 1
Valcour I., Clinton Co., N. Y. Chazy ls., Chazyan, lower
Champlainian, (Middle) Ordovician
- 22658a-d *Tritaxia pyramidata* Reuss Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 133, pl. 10, figs. 18-21
(S-775.1-.4)
Ammonite Cr. in about center of Municipal Golf Course and
W. of Tex. Christ. Univ., Fort Worth, Tarrant Co., Tex.
Duck Cr., fm., Washita gr., Lower Cretaceous
- 21709 *Tritaxilina mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 1, fig. 21
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21710 *Tritaxilina mexicana* Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 7, pl. 1, fig. 22
Cerro Azul well No. 75, depth 370 ft., Tuxpan* R. near Chapapote,
St. of Vera Cruz, Mex. Chapapote fm., upper
Eocene
- 4662 *Tritiaria albirupina* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 349,
pl. 45, fig. 3
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4663 *Tritiaria albirupina* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 349,
pl. 45, fig. 4
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4664 *Tritiaria albirupina* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 349,
pl. 45, fig. 5
Vince Ferry, Saline R., Cleveland Co., Ark. lower Jack-
son gr., upper Eocene
- 4665 *Tritiaria albirupina* (Harris) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 349,
pl. 45, fig. 6
One half mi. below Gibson Ldg., Ouachita R., Caldwell Par.,
La. Moody Branch fm., lower Jackson gr., upper Eocene
- 2154 *Tritiaria chira* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 99, pl. 21, fig. 16

Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene

- 2291 *Tritiaria cieza* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 172, pl. 18, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 20469 *Tritiaria (Antillophos) landesi* Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 115, pl. 8, figs. 1, 2
Las Masas sec., NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20470 *Tritiaria (Antillophos) landesi* Marks Paratypes
Marks, B.A.P., v. 3, No. 139, 1951, p. 115
Las Masas sec., NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20471 *Tritiaria (Antillophos) landesi* Marks Paratypes
Marks, B.A.P., v. 3, No. 139, 1951, p. 115
Las Masas sec., NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 20472 *Tritiaria (Antillophos) landesi* Marks Paratypes
Marks, B.A.P., v. 33, No. 139, 1951, p. 115 (2 specimens)
Las Masas sec., NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 4667 *Tritiaria magnocostata* (Johnson) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 351,
pl. 45, fig. 17
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4668 *Tritiaria mississippiensis* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 348,
pl. 45, fig. 18
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 2292 *Tritiaria peruviana* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 171, pl. 18, fig. 10
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zor-
ritos fm., lower Miocene
- 20312 *Tritiaria* sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 20473 *Tritiaria (Antillophos?)* sp. Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 116, pl. 8, fig. 3
Zacachún corehole, depth 1090-1102 ft., Progreso Basin, Guayas
Prov., SW. Ecua. Subibaja fm., lower Miocene
- 2146 *Tritiaria sullana* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 100, pl. 21, fig. 8

Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene

- 2153 *Tritiaria suliana* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 100, pl. 21, fig. 15
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 20767- *Triticites moorei* Dunbar and Condra Paratypes
20783 Dunbar and Condra, Nebr. Geol. Surv. Bull., ser. 2, No. 2, 1927,
p. 99, pl. 9, fig. 4; pl. 11, figs. 1-5; Marks, Micropal., v. 6, No.
4, 1952, p. 39
Steep bank on W. side of Salt Cr., W. of Graham and 0.5 mi.
N. of bridge, Young Co., Tex. Graham fm., 0.5 ft. be-
low Gunsight ls., Upper Pennsylvanian
- 20784- *Triticites plummeri* Dunbar and Condra Paratypes
20796 Dunbar and Condra, Nebr. Geol. Surv. Bull., ser. 2, No. 2, 1927,
p. 98, pl. 6, figs. 1-6; Marks, Micropal., v. 6, No. 4, 1952, p. 40
Steep bank on W. side of Salt Cr., W. of Graham and 0.5 mi.
N. of bridge, Young Co., Tex. Graham fm., 0.5 ft. be-
low Gunsight ls., Upper Pennsylvanian
- 24533 *Triton (Ranularia) eocensis* (Aldrich) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 101, pl. 10, fig. 3
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 24535 *Triton (Simpulum) showalteri* (Conrad) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 102, pl. 10, fig. 4
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- Triton tuomeyi* (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 64, pl. 8, fig. 12 (lost
prior to 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2112 *Tritonidea huitra* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 100, pl. 18, fig. 9
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
See *Pollia huitra* Olsson
- Tritonidea pachecoi* Harris Holotype
Harris, La. Geol. Surv. Rpt., 1899, p. 306, pl. 54, fig. 11 (lost
prior to 1937)
Pendleton, Sabine Co., Tex. Pendleton fm., middle Wilcox
[Sabine] gr., lower Eocene
- 3662 *Tritonidea stauffi* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 82, pl. 17, fig. 11
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene

- 24259 *Tritonium* (Sassia) sp. Figured specimen
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 73, pl. 10, fig. 9
 Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 4721 *Tritonoatractus pearlensis* (Aldrich) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 378, pl. 51, figs. 8, 9
 Garland Cr., near Shubuta, Clarke Co., Miss. lower Jackson gr., upper Eocene
- 4726 *Tritonoatractus pearlensis danvillensis* Palmer Paratype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 380, pl. 51, fig. 1
 Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4727 *Tritonoatractus pearlensis danvillensis* Palmer Holotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 380, pl. 51, fig. 2
 Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4728 *Tritonoatractus pearlensis danvillensis* Palmer Paratype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 380, pl. 51, fig. 3
 Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4722 *Tritonoatractus pearlensis montgomeriensis* (Vaughan) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 379, pl. 51, fig. 4
 Montgomery Ldg., upper bed, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 4723 *Tritonoatractus pearlensis montgomeriensis* (Vaughan) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 379, pl. 51, fig. 5
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4724 *Tritonoatractus pearlensis montgomeriensis* (Vaughan) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 379, pl. 51, fig. 6
 Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4725 *Tritonoatractus pearlensis montgomeriensis* (Vaughan) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 17, pt. 2, 1947, p. 379, pl. 51, fig. 7
 Montgomery Ldg., upper bed, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 3463 *Trivia chipolana* Maury Holotype
 Maury, B.A.P., v. 4, No. 21, 1910, p. 26, pl. 6, fig. 8
 Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene

- 24898 *Trivia maltbiana* Schwengel and McGinty Paratype
Perry and Schwengel, 1955, p. 148, pl. 49, fig. 335
Destin, Okaloosa Co., Fla. Recent
- 24778 *Trivia pediculus* (Linnaeus) Representative specimen
Perry and Schwengel, 1955, p. 148, pl. 28, fig. 206
Four-six fm. off Sanibel, Lee Co., Fla. Recent
- 21664 *Trochamminoides guayabalensis* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 11, pl. 4, fig. 14
Twelve km. E. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 24352 *Trochocyathus* cf. *mississippiensis* Wells Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 13
Ravine 1 km. W. Central Perseverancia, Santa Clara Prov., Cuba
Upper Cretaceous
- 24312 *Trochoseris catadupensis* Vaughan Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 6, pl. 1, figs. 1, 1a
Field 350 m. W. Central Jesus Maria, 20 km. SW. Matanzas, Matanzas Prov., Cuba
Upper Cretaceous (Campanian)
- 24313 *Trochoseris catadupensis* Vaughan Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 6, pl. 1, fig. 1c
Field 350 m. W. Central Jesus Maria, 20 km. SW. Matanzas, Matanzas Prov., Cuba
Upper Cretaceous (Campanian)
- 24314 *Trochoseris catadupensis* Vaughan Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 6, pl. 1, fig. 1b
Field 350 m. W. Central Jesus Maria, 20 km. SW. Matanzas, Matanzas Prov., Cuba
Upper Cretaceous (Campanian)
- 24353 *Trochoseris catadupensis* Vaughan Hypotype
Wells, B.A.P., v. 26, No. 97, 1941, p. 6
Field 350 m. W. Central Jesus Maria, 20 km. SW. Matanzas, Matanzas Prov., Cuba
Upper Cretaceous (Campanian)
- 24362 *Trochoseris gerthi* Wells Holotype
Wells, B.A.P., v. 26, No. 98, 1941, p. 10, pl. 1, figs. 5, 5a
One m. N. of Negritos, Dept. of Piura, Peru basal
Restin fm., middle Eocene
- 3776 *Trochoseris meinzeri* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 10, pl. 1, fig. 16
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen, Camagüey Prov., Cuba
upper Eocene
- 3777a *Trochoseris meinzeri* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1943, p. 10, pl. 1, fig. 17
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen, Camagüey Prov., Cuba
upper Eocene
- 3777b *Trochoseris meinzeri* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 10
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen, Camagüey Prov., Cuba
upper Eocene

- 3777c *Trochoseris meinzeri* Vaughan Hypotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 10
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3775 *Trochoseris meinzeri camagueyensis* Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 10, pl. 1, figs. 14, 15
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 3768 *Trochosmilia raymondi* Wells Holotype
Wells, B.A.P., v. 20, No. 70B, pt. 1, 1934, p. 4, pl. 1, figs. 1, 2
Loma Calisto*, 800 m. SW. of Nuevitas on rd. leading to Belen,
Camagüey Prov., Cuba upper Eocene
- 4911 *Trocotaulax elegans* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 80, pl. 13, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4912 *Trocotaulax elegans* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 80, pl. 13, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
middle zone, Maestrichtian
- 4913 *Trocotaulax elegans* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 80, pl. 13, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
Type species of *Trocotaulax* Olsson, 1944
- 278 *Trophon elegantissimus* (Aldrich) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 62, pl. 8, fig. 6
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 277 *Trophon gracilis* Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 62, pl. 8, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 24531 *Trophon morulus* (Conrad) Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 100, pl. 10, fig. 1
Near Prairie Bluff, Alabama R., Wilcox Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 276 *Trophon sublevis* Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 61, pl. 8, fig. 1
Greggs Ldg., Alabama R. Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 5992 *Tropidoleptus carinatus* (Conrad) Hypotype
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943,
p. 60, pl. 5, fig. 6
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian

Tropisurcula see also *Turricula* (*Tropisurcula*)

- 2539 **Tropisurecula crenula sabines** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 58, pl. 10, fig. 28
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop
not designated see Veatch Survey, 1902, pp. 129-130)
middle or upper Claiborne gr., middle Eocene
- 24749 **Truncatella caribaeensis** Sowerby Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 122, pl. 25, fig. 176
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
See *Truncatella pulchella* Pfeiffer
- 24749 **Truncatella pulchella** Pfeiffer Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 122, pl. 25, fig. 176;
Perry and Schwengel, 1955, p. 132, pl. 25, fig. 176
Tarpon Bay, Sanibel, Lee Co., Fla. Recent
See *Truncatella caribaeensis* Sowerby [*caribaeensis* sic]
- 312 **Trypanotoma carlottae** (Harris) Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 23, pl. 3, fig. 1; Harris,
P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 14 (not fig. 14a as in
text)
Woods Bluff Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
See *Pleurotoma carlottae* Harris
- 2407 **Trypanotoma longispira** Casey Hypotype
Harris, P. A., v. 2, No. 1937, p. 22, pl. 3, fig. 24
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2406a **Trypanotoma melanella** Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 22, pl. 3, fig. 21
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2406b **Trypanotoma melanella** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 22, pl. 3, fig. 22
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2413 **Trypanotoma** sp. Figured specimen
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 33
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not
designated, see Veatch Survey, 1902, p. 129-130) middle
or upper Claiborne gr., middle Eocene
- Trypanotoma** sp. Figured specimen
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 14a (not de-
posited in 1937)
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 2401 **Trypanotoma terebriformis** (Meyer) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 15a (missing
prior to 1955)
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 2402 *Trypanotoma terebriformis* (Meyer) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2405 *Trypanotoma terebriformis cooperi* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 19
Cooper's test well, Winnfield, Winn Par., La. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 2403 *Trypanotoma terebriformis curta* Harris Paratype
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 17
Newton, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2404 *Trypanotoma terebriformis curta* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 21, pl. 3, fig. 18
Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 4433 *Trypanotoma terebriformis curta* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 422,
pl. 58, fig. 3
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 2746 *Tuba antiquata* (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 90, pl. 9, figs. 12, 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2747 *Tuba antiquata striata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 91, pl. 9, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2748 *Tuba antiquata striata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 91, pl. 9, figs. 16, 17
Moseley's Ferry, [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
- 2749 *Tuba antiquata striata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 91, pl. 9, fig. 18
Big branch of Cedar Cr., E. of Mr. Pollard's (deceased) farm,
3 mi. NW. of Stone City, Burleson Co., Tex., Probably is Cedar
Cr., near Wheelock, Robertson Co., Tex. (pers. comun., 1958,
Stenzel) Cook Mt. upper Claiborne gr., middle Eocene
- 2743 *Tuba antiquata texana* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 92, pl. 9, fig. 8
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2744 *Tuba antiquata texana* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 92, pl. 9, fig. 9
Smithville, Bastrop Co., Tex., Weches fm., middle Clai-
borne gr., middle Eocene

- 2745 *Tuba antiquata texana* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 92
Smithville, Bastrop Co., Tex., Weches fm., middle Claiborne gr., middle Eocene
- 2738 *Tuba cancellata* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 93, pl. 9, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2739 *Tuba cancellata* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 93, pl. 9, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2740 *Tuba cancellata* (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 93, pl. 9, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 24291 *Tuba peruviana* Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 69, pl. 12, fig. 9
Lagunitos,* Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 24292 *Tuba peruviana* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 69, pl. 12, fig. 10
Lagunitos,* Dept. of Piura, Peru (not Yasila as in expl. of pl.)
Talara fm., lower upper Eocene
- 254 *Turbinella* (Glyptostyla?) *baeulus* Aldrich Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 46, pl. 6, fig. 2
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 24304 *Turbinolia olssoni* Wells Holotype
Wells, B.A.P., v. 23, No. 79, 1937, p. 3, pl. 1, fig. 1
Que. Charanal, W. branch about 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru (loc. not as given on p. 4),
Mirador facies, Mancora fm. (not Mamore as given on p. 4),
middle Oligocene
- 24304a *Turbinolia olssoni* Wells Paratypes
Wells, B.A.P., v. 23, No. 79, 1937, p. 3, pl. 1, fig. 2 (3 specimens)
Que. Charanal, W. branch about 5 mi. N. of Amotape, Chira
Valley, Dept. of Piura, Peru (loc. not as given on p. 4),
Mirador facies, Mancora fm. (not Mamore as given on p. 4),
middle Oligocene
- 24721 *Turbo castaneus* Gmelin Representative specimen
Perry and Schwengel, 1955, p. 111, pl. 22, fig. 143
Bayside, Sanibel, Lee Co., Fla. Recent
- 21122 *Turbo saltus* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 161, pl. 15, fig. 12 (broken
after figured)
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene

- 2341 **Turbo** (*Callopoma*) sp. Figured specimen
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 215, pl. 24, fig. 3 (operculum)
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 2344 **Turbo** (*Callopoma*) sp. Figured specimen
 Olsson, B.A.P., v. 19, No. 68, 1932, p. 215, pl. 24, fig. 6 (operculum)
 Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
 Tumbes* fm., upper Miocene
- 24929 **Turbonilla conradi** Bush Hypotype
 Perry and Schwengel, 1955, p. 119, pl. 23, fig. 157
 Sanibel, Lee Co., Fla. Recent
- 24731 **Turbonilla dalli** Bush Hypotype
 Perry, B.A.P., v. 26, No. 95, 1940, p. 111, pl. 23, fig. 155; Perry and Schwengel, 1955, p. 119, pl. 23, fig. 155
 Sanibel, Lee Co., Fla. Recent
- 24732 **Turbonilla hemphilli** Bush Representative specimen
 Perry and Schwengel, 1955, p. 119, pl. 23, fig. 156
 Sanibel, Lee Co., Fla. Recent
- 24733 **Turbonilla incisa constricta** Bush Representative specimen
 Perry and Schwengel, 1955, p. 120, pl. 23, fig. 159
 Sanibel, Lee Co., Fla. Recent
- 4919 **Turbonilla** (*Pyrgiscus*) *palmerae* Aguayo and Jaume Paratype
 Aguayo and Jaume, Mem. Soc. Cubana Hist. Nat., v. 10, No. 2, 1936, p. 119-121 [D.K.P. slide 191.94-1]
 La Chorrera, Habana Prov., Habana, Cuba Recent
- 1386 **Turbonilla** (*Ptycheulimella*) *sabina* Palmer Holotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 97, pl. 12, fig. 16; Palmer, B.A.P., v. 7, No. 32, 1937, p. 81, pl. 8, fig. 7
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
 See *Eulimella tenua* Gabb
- 1381 **Turbonilla** sp. Figured specimen
 Harris, B.A.P., v. 3, No. 11, 1899, p. 96, pl. 12, fig. 10
 Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox
 [Sabine] gr., lower Eocene
- 20274 **Turbonilla** (*Chemnitzia*) sp. 1 Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
 Well Ambrosio No. 67, depth 1055-1056 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20277 **Turbonilla** (*Pyrgiscus*) sp. 2 Unfigured specimen
 Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
 Well Punta Benitez No. 131, depth 3156-3168 ft., Bolívar Coastal Field, Dist. of Bolívar, St. Zulia, Ven. La Rosa fm., lower Miocene

- 20278 *Turbonilla* (*Pyrgiscus*) sp. 3 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1700
Well Lagunillas No. 261, depth 4270-4280 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. Lagunillas
fm., middle Miocene
- 20279 *Turbonilla* (*Pyrgiscus*) sp. 4 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 215, depth 3400-3420 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa
fm., lower Miocene
- 2524 *Turricula aldreperta* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 49, pl. 9, figs. 32, 33
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4039 *Turricula* (*Knefastia*) *andesita* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942 p. 55, pl. 7, fig. 8
Mouth of Quebrada Peñitas, Puntarenas Prov., C. R.
Charco Azul fm., Pliocene
- 1900 *Turricula* (cf. *Knefastia*) *angoliensis* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 30,
pl. 7, figs. 4, 5
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra
at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene
[Miocene, Darteville and Roger, 1954]
- 3887 *Turricula bonilla* Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 34, pl. 8, fig. 1
Jabonillal, 7 mi. NE. of Talara, Dept. of Piura, Peru
Restin fm., middle Eocene
- 1043 *Turricula bristoli* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 205, pl. 35, fig. 5
Brasso junc. quarry, ½ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm.,
Miocene
- 2538 *Turricula* (*Tropisurcula*) *caseyi* (Aldrich) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 57, pl. 10, fig. 26
Red Bluff [Hiwane Station], Wayne Co., Miss. Red
Bluff cl., lower Oligocene
- 2149 *Turricula* (*Knefastia*) *chira* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 119, pl. 21, fig. 11
Near Casa Saman, near Tangara, Chira Valley, Dept. of
Piura, Peru Chira fm., lower Oligocene
- 4995 *Turricula* (*Pleurofusua*) *collaris* (Casey) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 431,
pl. 59, figs. 14, 15
Probably Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 2268 *Turricula* (*Pleurofusua*) *cruziana* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 150, pl. 15, fig. 6

- Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2272 *Turricula (Pleurofusua) cruziana* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 150, pl. 15, fig. 10
Quebrada La Cruz, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2542 *Turricula (Pleurofusua) danvicola* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 59, pl. 10, fig. 33
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4990 *Turricula (Pleurofusua) danvicola* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 429, pl. 59, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower Jackson gr., upper Eocene
- 4991 *Turricula (Pleurofusua) danvicola* Harris "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 429, pl. 59, fig. 7
Danville Ldg., Ouachita R., Catahoula Par., La. lower upper Eocene
- 4992 *Turricula (Pleurofusua) danvicola parahilgardina* Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 430, pl. 59, fig. 8
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4038 *Turricula dulcia* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 54, pl. 7, fig. 3
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul fm., Pliocene
- 4117 *Turricula dulcia* Olsson Paratype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 54, pl. 7, fig. 6
Quebrada Peñitas, Puntarenas Prov., C. R. Charco Azul fm., Pliocene
- 2550 *Turricula (Cochlespiropsis) engonata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 11
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2551 *Turricula (Cochlespiropsis) engonata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 12 (lost prior to 1955)
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2552 *Turricula (Cochlespiropsis) engonata* (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 13
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene

- 2553 **Turricula (Cochlespiropsis) engonata** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 62, pl. 11, fig. 14
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 24175 **Turricula (Pleurofusua) eolavinia** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 34, pl. 3, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24182 **Turricula (Pleurofusua) eolavinia** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 34, pl. 3, fig. 9
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 24183 **Turricula (Pleurofusua) eolavinia** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 34, pl. 3, fig. 10
Yasila, Dept. of Piura, Peru Talara fm., lower upper Eocene
- 2543 **Turricula fluctuosa** Weisbord in Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 59, pl. 11, fig. 1; Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, p. 430, pl. 59, fig. 12
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4994 **Turricula (Pleurofusua) fluctuosa** Weisbord in Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 430, pl. 59, fig. 11
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper Eocene
- 2519 **Turricula (Protosurecula emen'd) gabbi** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 26
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2520 **Turricula (Protosurecula emen'd) gabbi** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 27
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2521 **Turricula (Protosurecula emen'd) gabbi** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 28
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 2522 **Turricula (Protosurecula emen'd) gabbi** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 29
Sabine R., near Columbus, Sabine Par., La. (Exact outcrop not designated, see Veatch Survey, 1902, p. 129-130)
middle or upper Claiborne gr., middle Eocene
- 2523 **Turricula (Protosurecula emen'd) gabbi** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 48, pl. 9, fig. 30
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene

- 4993 *Turricula (Pleurofusua) hilgardi* (Casey) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 430,
pl. 59, fig. 10
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 2527 *Turricula (Pleurofusua?) huppertzi* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 52, pl. 10, fig. 10
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2529 *Turricula (Pleurofusua?) huppertzi* (Harris) "var." Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 52, pl. 10, fig. 11
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2528 *Turricula (Pleurofusua?) ?huppertzi hammetensis* Harris
Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 53, pl. 10, fig. 10a
Exact locality in NW. Louisiana unknown, most probably from
Hammett's Branch Cook Mt. fm., upper Claiborne gr.,
middle Eocene
- 20920 *Turricula lavinoides* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 55, pl. 4, fig. 6
Banana R., Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 20926 *Turricula lavinoides limonensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 56, pl. 4, fig. 12
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 2531 *Turricula ("Sarculoma") penrosei* (Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 53, pl. 10, fig. 13
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 2530 *Turricula ("Sarculoma") penrosei tabulella* Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 53, pl. 10, fig. 12
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2147 *Turricula piura* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 118, pl. 21, fig. 9
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2151 *Turricula piura* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 118, pl. 21, fig. 13
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2544 *Turricula (Plentaria) plenta* (Aldrich and Harris) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 60, pl. 11, figs. 3, 3a
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co.,
Tex. Stone City beds, middle Claiborne gr., middle
Eocene
Type species of *Plentaria* Harris, 1937

- 2545 **Turricula (Plentaria) plenta horrida** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 60, pl. 11, fig. 4
Near Columbus, Sabine Par., La. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 2541 **Turricula (Pleurofusua) plutonica weisbordi** Harris Holotype
Harris, P. A., v. 2, No. 7, 1937, p. 58, pl. 10, fig. 30
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4996 **Turricula (Pleurofusua) plutonica weisbordi** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 431,
pl. 59, fig. 16
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4997 **Turricula (Pleurofusua) plutonica weisbordi** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 431,
pl. 59, fig. 17
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4998 **Turricula (Pleurofusua) plutonica weisbordi** Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 431,
pl. 59, fig. 18
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4999 **Turricula (Pleurofusua) subservata** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 431,
pl. 59, figs. 19, 20
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 2139 **Turricula sullana** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 119, pl. 21, fig. 1
Near Casa Saman, near Tangara, Chira Valley, Dept. of Piura,
Peru Chira fm., lower Oligocene
- 2532a **Turricula (Sureculoma) tabulata** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 54, pl. 10, fig. 18
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2532b **Turricula (Sureculoma) tabulata** (Conrad) Hypotype
Harris, P. A., v. 2, No. 7, 1937, p. 54, pl. 10, fig. 18a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20934 **Turricula taurina** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 57, pl. 5, fig. 3
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 20935 **Turricula terryi** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 57, pl. 5, fig. 4
Bocas del Toro, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene

- 4870 **Turrilites peruvianus** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 107, pl. 17, fig. 4
Tortuga, coast of Paíta Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 1012 **Turris albidus** (Perry) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 187, pl. 32, fig. 11
Brasso Venada Ravine, 3 mi. E. of Brasso station, E. Mont-
serrat Ward, SE. Caroni Co., Trinidad, W. I. Man-
zanilla fm., Miocene
Type species of *Polystira* Woodring, 1928
- 20482 **Turris (Polystira) albidus** (Perry) Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 151, pl. 8, fig. 8
Las Masas sec., N. of Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 20915 **Turris albidus** (Perry) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 58, pl. 4, fig. 1
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm., middle
Miocene
- 20916 **Turris albidus** (Perry) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 58, pl. 4, fig. 2
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm., middle
Miocene
- 22946 **Turris albidus barretti** (Guppy) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 53, pl. 6, fig. 5 (ex. pl.
loc. Jesús del Monte)
E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 1007 **Turris albidus sanctidavidis†** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 188, pl. 32, fig. 6
Manzanilla, E. Manzanilla Ward, central St. Andrew Co., Trini-
dad, W. I. Manzanilla fm., lower Miocene
- 1008 **Turris albidus sanctidavidis†** Maury Syntype
Maury, B.A.P., v. 10, No. 42, 1925, p. 188, pl. 32, fig. 7
Manzanilla, E. Manzanilla Ward, central St. Andrew Co., Trini-
dad, W. I. Manzanilla fm., lower Miocene
- 22947 **Turris albidus virgo** (Lamarck) Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 53, pl. 6, fig. 6
Near Tuberá, Dept. of Atlantico, Col. Miocene
- 20483 **Turris (Gemmula) vaningeni** Brown and Pilsbry Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 126, pl. 8, fig. 11
Near Las Masas, N. Progreso Basin, Guayas Prov., SW. Ecua.
Progreso fm., middle Miocene
- 25056 **Turritella advinanzensis** Harris Holotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
107, pl. 19, figs. 1, 2
Adivinanza Quarry about 6 mi. E. of Princes Town, NW. Otoire
Ward, NE. Victoria Co., Trinidad, W. I. Oligocene

- 14981 *Turritella alticostata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, base of bank, York Co., Va. York-
town fm., upper Miocene
- 14982 *Turritella alticostata* Conrad Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 2328 *Turritella altilira* Conrad "subsp." Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 202, pl. 23, fig. 3
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos fm.,
middle Miocene
- 2329 *Turritella altilira* Conrad "subsp." Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 202, pl. 23, fig. 4
Quebrada Heath, Dept. of Tumbes, Peru Cardalitos fm.,
middle Miocene
- 21105 *Turritella altilira* Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 149, pl. 14, fig. 6
Mt. Hope, C. Z. Gatun fm., middle Miocene
- 21106 *Turritella altilira* Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 149, pl. 14, fig. 7
Gatun, C. Z. Gatun fm., middle Miocene
- 21558 *Turritella altilira* Conrad Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 45, pl. 26, fig. 1
Gatun Spillway, C. Z. Gatun fm., middle Miocene
- 21579 *Turritella altilira* Conrad Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 45, pl. 28, fig. 3
Gatun Spillway, C. Z. Gatun fm., middle Miocene
- 21581 *Turritella altilira* Conrad Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 45, pl. 29, fig. 1
Gatun Spillway, C. Z. Gatun fm., middle Miocene
- 22984 *Turritella altilira atlanticensis* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 32, pl. 9, fig. 9
Between Las Perdices and Pto. Colombia, Dept. of Atlantico,
Col. Miocene
- 21103 *Turritella altilira chiriquiensis* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 150, pl. 14, fig. 4
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21107 *Turritella altilira chiriquiensis* Olsson Lectotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 150, pl. 14, fig. 8 (broken
after figured) (lectotype selected by Woodring, pers. commun.
April 28, 1959)
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene

- 21108 *Turritella altilira chiriquiensis* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 150, pl. 14, fig. 9
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 21113 *Turritella altilira chiriquiensis* Olsson Paratype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 150, pl. 14, fig. 14
Red Cliff Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21110 *Turritella altilira costaricensis* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 151, pl. 14, fig. 11
Sousi Creek, Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 21531 *Turritella altilira mirandana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 45, pl. 23, fig. 10
S. sec., La Vela, Dis. of Colina, St. of Falcón, Ven.
Miocene
- 21578 *Turritella altilira mirandana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 45, pl. 28, fig. 2
S. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 1092 *Turritella altilira tornata* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 230, pl. 42, fig. 3
Brasso junc. quarry, $\frac{1}{2}$ mi. N. of Brasso station, Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Mio-
cene
- 1093 *Turritella altilira tornata* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 230, pl. 42, fig. 4
"Brasso Creek" = Caparo R., Montserrat Ward, SE. Caroni
Co., Trinidad, W. I. Manzanilla fm., Miocene
- 1094 *Turritella altilira tornata* Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 230, pl. 42, fig. 5
"Brasso Creek" = Caparo R., Montserrat Ward, SE. Caroni
Co., Trinidad, W. I. Manzanilla fm., Miocene
- 21561 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 26, fig. 4
Near Rim Rock on edge of Taratara, Buena Vista structure,
La Vela de Coro sec., Dist. of Colina, St. of Falcón, Ven.
Miocene
- 21564 *Turritella altilira urumacoensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 26, fig. 7
Specimen of S. H. Williston, Urumaco, Dist. of Democracia, St.
of Falcón, Ven., no definite locality given Miocene
- 21568 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 27, fig. 3
E. of Rim Rock, NE. of Taratara, E. sec., La Vela Dist. of
Colina, St. of Falcón, Ven. Miocene

- 21569 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 27, fig. 4
E. of Rim Rock, NE. of Taratara, E. sec., La Vela, Dist. of Colina, St. of Falcón, Ven. Miocene
- 21570 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44 pl. 27, fig. 5
E. of Rim Rock, NE. of Taratara, E. sec., La Vela, Dist. of Colina, St. of Falcón, Ven. Miocene
- 21571 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 27, fig. 6
N. coast La Vela sec., Dist. of Colina, St. of Falcón, Ven. Miocene
- 21572 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 27, fig. 7
N. coast La Vela sec., Dist. of Colina, St. of Falcón, Ven. Miocene
- 21575 *Turritella altilira urumacoensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 44, pl. 27, fig. 10
N. coast La Vela sec., Dist. of Colina, St. of Falcón, Ven. Miocene
- 4588 *Turritella alveata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 288, pl. 36, fig. 7
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4589 *Turritella alveata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 288, pl. 36, fig. 9
Garland Cr., near Shubuta, Clarke Co., Miss. lower Jackson gr., upper Eocene
- 4590 *Turritella alveata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 288, pl. 36, fig. 10
Moodys Branch, Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4591 *Turritella alveata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 288, pl. 36, fig. 11
Montgomery Ldg., $\frac{1}{2}$ mi. below ferry, Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4592 *Turritella alveata* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 288, pl. 36, fig. 12
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch fm., lower Jackson gr., upper Eocene
- 6062 *Turritella andersoni mulleri* Merriam Paratypes
Merriam, Univ. Calif. Publ., Bull. Dept. Geol. Sci., v. 26, No. 1, 1941, p. 80 (2 specimens)

- Mt. Pinos Quad., Ventura Co., Calif. Domengine?, middle Eocene
- 21538 **Turritella andreasi** Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 37, pl. 24, fig. 7
Río Cauderalito*, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21539 **Turritella andreasi** Williston in F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 37, pl. 24, fig. 8
Exact locality not designated, St. of Falcón, Ven. Oligocene
- 21540 **Turritella andreasi** Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 37, pl. 24, fig. 9
Río Cauderalito*, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21543 **Turritella andreasi** Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 37, pl. 24, fig. 12
Río Cauderalito*, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21547 **Turritella andreasi** Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 37, pl. 25, fig. 2
Río Cauderalito*, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 2884 **Turritella apita** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 24, fig. 1
Claiborne Bluff Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2885 **Turritella apita** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 24, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2886 **Turritella apita** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 24, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 2887 **Turritella apita** de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 24, fig. 10
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene
- 4563 **Turritella arenicola** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 281, pl. 34, fig. 8
Montgomery Ldg., Red R., Grant Par., La. Moodys Branch fm., lower Jackson gr., upper Eocene
- 4564 **Turritella arenicola** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 281, pl. 34, fig. 9
Garland Cr., near Shubuta, Clarke Co., Miss. lower Jackson gr., upper Eocene

- 4565 *Turritella arenicola* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 281,
pl. 34, fig. 10
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4566 *Turritella arenicola* (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 281,
pl. 34, fig. 11
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 2876 *Turritella arenicola branneri* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 197, pl. 23, fig. 2
White Bluff, Arkansas R., Jefferson Co., Ark. lower
Jackson gr., upper Eocene
- 2877 *Turritella arenicola branneri* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 197, pl. 23, fig. 1
Exact locality unknown, Ark. Jackson gr., upper Eocene
- 4567 *Turritella arenicola branneri* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 283,
pl. 34, fig. 3
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4568 *Turritella arenicola branneri* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 283,
pl. 34, fig. 2
Bayou Toro SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 6, T. 3 N., R. 11 W. (Harris and
Veatch Survey, 1899), Vernon Par., La. lower Jackson
gr., upper Eocene
- 4569 *Turritella arenicola branneri* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 283,
pl. 34, fig. 6
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4570 *Turritella arenicola branneri* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 283,
pl. 34, fig. 7
White Bluff, Arkansas R., Jefferson Co., Ark. lower
Jackson gr., upper Eocene
- 4571 *Turritella arenicola danvillensis* Stenzel and Turner Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 284,
pl. 34, fig. 5
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4572 *Turritella arenicola danvillensis* Stenzel and Turner Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 284,
pl. 34, fig. 4
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene

- 4573 **Turritella arenicola danvillensis** Stenzel and Turner Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 284,
pl. 34, fig. 1
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4576 **Turritella arenicola danvillensis** Stenzel and Turner Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 284,
pl. 35, fig. 1
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4902 **Turritella bartsia** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 75, pl. 15, fig. 9
Pan de Azucar, lat 4° 36' S.; long 81° 6' W., E. of La Brea,
Dept. of Piura, Peru Cretaceous-Eocene
- 21474 **Turritella berjadinensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 26, pl. 18, fig. 1
Top of 1st hill just S. of Berjardín Well, S. of Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. Miocene
- 21483 **Turritella berjadinensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 26, pl. 19, fig. 1
Berjardín, S of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. Miocene
- 21485 **Turritella berjadinensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 26, pl. 19, fig. 3
Berjardín, S of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. Miocene
- 21486 **Turritella berjadinensis** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 26, pl. 19, fig. 4
Cerro Verde, S. of Dabajuro and NE. of Cauderalito*, Dist. of
Buchivacoa, St. of Falcón, Ven. "Damsite fm.," [Cau-
jarao fm.] upper middle Miocene
- 21488 **Turritella berjadinensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 26, pl. 19, fig. 6
Cerro Verde, S. of Dabajuro and NE. of Cauderalito*, Dist. of
Buchivacoa, St. of Falcón, Ven. "Damsite fm.," [Cau-
jarao fm.] upper middle Miocene
- 20286 **Turritella berjadinensis cocoditana** F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Rodriguez No. 401, depth 1744-1765 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21487 **Turritella berjadinensis cocoditana** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 19, fig. 5
Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. lower (or middle) Miocene
- 21494 **Turritella berjadinensis cocoditana** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 20, fig. 3
Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. lower (or middle) Miocene

- 21498 *Turritella berjadinensis cocoditana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 20, fig. 7
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. lower (or middle) Miocene
- 21501 *Turritella berjadinensis cocoditana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 20, fig. 10
Cantaure,* Cocodite area, Paraguaná Pen., Dist. of Falcón, St.
of Falcón, Ven. lower (or middle) Miocene
- 21502 *Turritella berjadinensis cocoditana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 20, fig. 11
Agua Clara-Cují sec., Dist. of Miranda, St. of Falcón, Ven.
"Damsite fm.*)" [Caujarao fm.], upper middle Miocene
- 21482 *Turritella berjadinensis colinensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 27, pl. 18, fig. 9
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 21490 *Turritella berjadinensis colinensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 27, pl. 19, fig. 8
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21506 *Turritella berjadinensis socorroensis* Williston in Hodson
Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 28, pl. 21, fig. 3
Exact locality not designated, St. of Falcón, Ven. Mio-
cene
- 21529 *Turritella berjadinensis socorroensis* Williston in Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 28, pl. 23, fig. 8
SE. of well location at camp San Rafael, S. of Urumaco, Dist.
of Democracia, St. of Falcón, Ven. lower Socorro fm.,
middle Miocene
- 21567 *Turritella berjadinensis socorroensis* Williston in Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 28, pl. 27, fig. 2
Exact locality not designated, St. of Falcón, Ven. Mio-
cene
- 21499 *Turritella berjadinensis warfieldi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 27, pl. 20, fig. 8
W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21503 *Turritella berjadinensis warfieldi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 27, pl. 20, fig. 12
SE. of La Vela de Coro, just S. of San Pablo, S. flank Guaibocoa
Mt. Range and E. of Guaibocoa, Dist. of Colina, St. of Falcón,
Ven. middle Miocene
- 21509 *Turritella berjadinensis warfieldi* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 27, pl. 21, fig. 6

E. of Rim Rock, NE. of Taratara, E. sec., La Vela, Dist. of Colina, St. of Falcón, Ven. Miocene

- 21583 *Turritella bifastigata democraciana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 50, pl. 29, fig. 3
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene
- 21588 *Turritella bifastigata democraciana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 50, pl. 30, fig. 3
About 10 km. NE. of Urumaco on rd. to Sabaneta, Dist. of Miranda, St. of Falcón, Ven. "Damsite fm." [Caujarao fm.], upper middle Miocene
- 21590 *Turritella bifastigata democraciana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 50, pl. 30, fig. 5
About 10 km. NE. of Urumaco on rd. to Sabaneta, Dist. of Miranda, St. of Falcón, Ven. "Damsite fm." [Caujarao fm.], upper middle Miocene
- 21587 *Turritella bifastigata maracaibensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 30, fig. 2
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene
- 21589 *Turritella bifastigata maracaibensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 30, fig. 4
About 2.5 km. N. and 500 m. E. of Urumaco, Dist. of Democracia, St. of Falcón, Ven. upper middle Miocene
- 21591 *Turritella bifastigata maracaibensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 30, fig. 6
La Vuelta, Urumaco sec., Dist. of Democracia, St. of Falcón, Ven. middle or upper Miocene
- 3637 *Turritella boughtoni* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 67, pl. 14, fig. 9
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3638 *Turritella boughtoni* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 67, pl. 14, fig. 10
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 21536 *Turritella boweni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 5
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21537 *Turritella boweni* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 6
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21541 *Turritella boweni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 10

- Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21548 *Turritella boweni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 25, fig. 3
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 24983 *Turritella (Archimediella) brebioni* Darteville and Roger Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 28
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 2337 *Turritella broderipiana alturana* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 204, pl. 23, fig. 11
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 21528 *Turritella buchivacoana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 39, pl. 23, fig. 7
Río El Mene, SE. of La Planchada between El Alambre and El Carmen, SE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm., upper Oligocene
- 21552 *Turritella buchivacoana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 39, pl. 25, fig. 7
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm., upper Oligocene
- 21553 *Turritella buchivacoana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 39, pl. 25, fig. 8 (lost prior to 1937)
SE. of Cueva del Tigre and $\frac{1}{2}$ league NW. of Catalan, S. slope of Cerro Buena Vista, Dist. of Buchivacoa, St. of Falcón, Ven. Cerro Pelado fm., upper Oligocene or lower Miocene
- 21554 *Turritella buchivacoana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 39, pl. 25, fig. 9
In small quebrada from NW. near junc. with Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm., upper Oligocene
- 21546 *Turritella buchivacoana canonensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 40, pl. 25, fig. 1
Foot of NW. side of Mesa de Saladillo, SW. of Coro, Dist. of Miranda, St. of Falcón, Ven. Oligocene-Miocene
- 21550 *Turritella buchivacoana canonensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 40, pl. 25, fig. 5
Foot of NW. side of Mesa de Saladillo, SW. of Coro, Dist. of Miranda, St. of Falcón, Ven. Miocene
- 4581 *Turritella bunkerhillensis* Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 287, pl. 35, fig. 3

Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene

- 4582 **Turritella bunkerhillensis** Palmer Paratype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 237,
 pl. 35, fig. 11
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 2044 **Turritella caleta** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 79, pl. 12, fig. 9
 Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
 shales, Heath fm., upper Oligocene
- 2045 **Turritella caleta** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 79, pl. 12, fig. 12
 Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
 shales, Heath fm., upper Oligocene
- 2048 **Turritella caleta** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 79, pl. 12, fig. 15
 Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
 shales, Heath fm., upper Oligocene
- Turritella caleta** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 79, pl. 12, fig. 11 (missing
 prior to 1937)
 Caleta Mero, Dept. of Tumbes, Peru basal Caleta Mero
 shales, Heath fm., upper Oligocene
- 1090 **Turritella caparonis** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 234, pl. 42, fig. 1
 At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward, SW.
 St. Andrew Co., Trinidad, W. I. Machapoorie mem.,
 Manzanilla fm., Miocene
- 1091 **Turritella caparonis** Maury Syntype
 Maury, B.A.P., v. 10, No. 42, 1925, p. 234, pl. 42, fig. 2
 Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
 Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
 Miocene
- 2894 **Turritella carinata** Lea Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 189, pl. 24, fig. 5
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., upper most Claiborne gr., middle Eocene
- 2895 **Turritella carinata** Lea Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 189, pl. 24, fig. 6
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., upper most Claiborne gr., middle Eocene
- 2896 **Turritella carinata** Lea Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 189, pl. 24, fig. 8
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd., upper most Claiborne gr., middle Eocene

- 2897 *Turritella carinata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 189, pl. 24, fig. 9
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., upper most Claiborne gr., middle Eocene
- 2898 *Turritella carinata* Lea Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 189, pl. 24, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., upper most Claiborne gr., middle Eocene
- 21559 *Turritella carlottae* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 43, pl. 26, fig. 2
(New name for *T. tornata* Maury, 1917, not Guppy, 1866)
Los Quemados (Maury, B.A.P., v. 5, Nos. 29, 30, 1917) on Río
Gurabo, boundary between Prov. Monte Cristi and Prov. Santi-
ago, about 3 km. W. of Los Quemados, Dom. Rep.
Miocene
- 1102 *Turritella cartagenensis* Pilsbry and Brown Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 233, pl. 42, fig. 13
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 22976 *Turritella cartagenensis* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 30, pl. 9, fig. 1
Near Usiacuri, or Tuberá, Dept. of Atlantico, or Cartagena,
Dept. of Bolívar, Col. Miocene
- 22977 *Turritella cartagenensis* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 30, pl. 9, fig. 2
Near Usiacuri, or Tuberá, Dept. of Atlantico, or Cartagena,
Dept. of Bolívar, Col. Miocene
- 21399 *Turritella cauredalitoensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 6, fig. 6
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21413 *Turritella cauredalitoensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 9, fig. 2
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21416 *Turritella cauredalitoensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 9, fig. 4
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21420 *Turritella cauredalitoensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 10, fig. 2
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21424 *Turritella cauredalitoensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 11, figs. 1, 5
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene

- 21426 ***Turritella cauredalitoensis*** Williston *in* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 11, fig. 3
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21427 ***Turritella cauredalitoensis dabajuroensis*** F. Hodson Holotype
Hodson, F. B.A.P., v. 11, No. 45, 1926, p. 17, pl. 11, fig. 4
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oligo-
cene
- 21425 ***Turritella cauredalitoensis filensis*** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 11, fig. 2
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Paují fm., lower Oligocene
- 21429 ***Turritella cauredaliteonsis filensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 1
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Paují fm., lower Oligocene
- 21431 ***Turritella cauredalitoensis filensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 3
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Paují fm., lower Oligocene
- 21433 ***Turritella cauredalitoensis filensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 5
Río Cauderalito,* S. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21414 ***Turritella cauredalitoensis liddlei*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 16, pl. 9, fig. 3
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21428 ***Turritella cauredalitoensis liddlei*** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 16, pl. 11, fig. 6
Near La Planchada, SE. of Dabajuro, Dist. of Buchivacoa, St.
of Falcón, Ven. Oligocene
- 4893 ***Turritella ceiba*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 72, pl. 11, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zones, Maestrichtian
- 4894 ***Turritella ceiba*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 72, pl. 11, fig. 15
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zones, Maestrichtian
- 3633 ***Turritella chira*** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 66, pl. 14, fig. 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 24284 ***Turritella chira*** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 67, pl. 12, fig. 1

- Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24285 *Turritella chira* Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 67, pl. 12, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24286 *Turritella chira* Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 67, pl. 12, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24287 *Turritella chira* Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 67, pl. 12, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 2914 *Turritella clevelandia* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 202, pl. 26, fig. 7 (not
clevelandia as on expl. of pl.)
White Bluff, Arkansas R., Jefferson Co., Ark. lower
Jackson gr., upper Eocene
- 4583 *Turritella clevelandia* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 290,
pl. 36, figs. 1, 3
White Bluff, W. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4584 *Turritella clevelandia* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 290,
pl. 36, fig. 2
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4585 *Turritella clevelandia* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 290,
pl. 36, fig. 5
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4586 *Turritella clevelandia* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 290,
pl. 36, fig. 4 (not *clevelandica* as on expl. of pl.)
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 4587 *Turritella clevelandia* Harris Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 290,
pl. 36, fig. 6
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 269 *Turritella clevelandia* Harris "var." Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 74, pl. 10, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 2036 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 74, pl. 12, fig. 1
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2037 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 74, pl. 12, fig. 2
Caleto Mero, Dept. of Tumbes, Peru basal Heath fm.,
upper Oligocene
- 2038 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 74, pl. 12, fig. 3
Caleto Mero, Dept. of Tumbes, Peru basal Heath fm.,
upper Oligocene
- 2040 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 74, pl. 12, fig. 5
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2042 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 74, pl. 12, fig. 7
Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 20448 *Turritella conquistadorana* Hanna and Israelsky Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 99, pl. 6, fig. 13
Near Carrizal, N. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 21514 *Turritella cornellana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 35, pl. 22, fig. 2
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 21516 *Turritella cornellana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 35, pl. 22, fig. 4
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 21542 *Turritella cornellana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 35, pl. 24, fig. 11
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 21545 *Turritella cornellana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 35, pl. 24, fig. 14
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 21533 *Turritella cornellana bolivarensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 2
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 21534 *Turritella cornellana bolivarensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 3
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene

- 21544 ***Turritella cornellana bolivarensis*** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 36, pl. 24, fig. 13
About 5 km. SW. of Quiroz,* near boundary of Dists. of Mi-
randa and Bolívar, St. of Zulia, Ven. Oligocene-Miocene
- 4577 ***Turritella creola*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 286,
pl. 35, fig. 2
Montgomery Ldg., lower bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4578 ***Turritella creola*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 286,
pl. 35, fig. 4
Montgomery Ldg., upper bed, Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4579 ***Turritella creola*** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 286,
pl. 35, fig. 5
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4580 ***Turritella creola*** Palmer Paratype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 286,
pl. 35, fig. 11
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 21455 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 1
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 21457 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 3
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 21461 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 7
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 21463 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 9
Punta Soldado, Curamichate, Dist. of Acosta, St. of Falcón,
Ven. Oligocene-Miocene
- 21465 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 11
Quebrada Sarura traverse, Dist. of Acosta, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- 21467 ***Turritella curamichatensis*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 1
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene

- 21468 *Turritella curamichatensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 2
Punta Soldada, Curamichate, Dist. of Acosta, St. of Falcón,
Ven. Oligocene-Miocene
- 21470 *Turritella curamichatensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 4
Quebrada Sarura traverse, Dist. of Acosta, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- 21471 *Turritella curamichatensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 5
Agua Clara traverse, Dist. of Democracia, St. of Falcón, Ven.
Cerro Pelado fm., upper Oligocene
- 21472 *Turritella curamichatensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 6
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 21473 *Turritella curamichatensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 17, fig. 9
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 4900 *Turritella desolata* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 74, pl. 15, fig. 5
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 4901 *Turritella desolata* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 74, pl. 15, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 2909 *Turritella dutexata* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 198, pl. 26, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2910 *Turritella dutexata* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 198, pl. 26, fig. 2
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Clai-
borne gr., middle Eocene
- 2911 *Turritella dutexata* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 198, pl. 26, fig. 4
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$ sec.
35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey, 1902,
p. 129) Stone City beds, middle Claiborne gr., middle
Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2912 *Turritella dutexata* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 198, pl. 26, fig. 8
About 6 mi. NW. Wheelock, Robertson Co., Tex. Cook
Mt. fm., upper Claiborne gr., middle Eocene
- 2913 *Turritella dutexata* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 198, pl. 26, fig. 9

Hickory, Newton Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene

- 21556 *Turritella elmenensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 41, pl. 25, fig. 11
Near Quiroz,* Dist. of Miranda, St. of Zulia, Ven.
Oligocene-Miocene
- 24981 *Turritella* cf. *eryna* d'Orbigny Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 24, pl. 1, fig. 10
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24983 *Turritella eryna communiformis* Van Voorthuysen Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 26
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24919 *Turritella exoleta* (Linnaeus) Hypotype
Perry and Schwengel, 1955, p. 135, pl. 48, fig. 334
Seven fm., off Marco, Collier Co., Fla. Recent
- 21101 *Turritella exoleta limonensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 152, pl. 14, fig. 2
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 21102 *Turritella exoleta limonensis* Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 152, pl. 14, fig. 3
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 22985 *Turritella* cf. *falconensis* Willison in Hodson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 31, pl. 9, fig. 10
E. of Esperanza, Dept. of Bolívar, Col. lower-middle Miocene
- 2318 *Turritella fica* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 195, pl. 22, fig. 3
Quebrada Higueron, near Rica Playa, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 2324 *Turritella fica* Olsson Faratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 195, pl. 22, fig. 9
Quebrada Higueron, near Rica Playa, Dept. of Tumbes, Peru lower Zorritos fm., lower Miocene
- 21522 *Turritella filacarmenensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 23, fig. 1
SW. slope of Cerro El Carmen, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene
- 21526 *Turritella filacarmenensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 23, fig. 5
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. San Luis fm., middle Oligocene

- 21549 *Turritella filacarmenensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 25, fig. 4
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Paují fm., lower Oligocene
- 21551 *Turritella filacarmenensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 25, fig. 6
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21555 *Turritella filacarmenensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 25, fig. 10
SW. slope of Cerro El Carmen, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21557 *Turritella filacarmenensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 38, pl. 25, fig. 12
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. Paují fm., lower Oligocene
- 2063 *Turritella galvesia* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 2
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene
- 2064 *Turritella galvesia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 4
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene
- 2065 *Turritella galvesia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 5
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene
- 2066 *Turritella galvesia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 7
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene
- Turritella galvesia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 3 (missing
prior to 1937)
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene
- Turritella galvesia* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 14, fig. 6 (missing
prior to 1937)
Quebrada Charanal, W. branch 5 mi. N. Amotape, Chira Valley,
Dept. of Piura, Peru Mirador congl., Mancora fm.,
middle Oligocene

- 1101 *Turritella gatulensis* Conrad Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 229, pl. 42, fig. 12
"Brasso Creek" = Caparo R., Montserrat Ward, SE. Caroni
Co., Trinidad, W. I. Manzanilla fm., Miocene
- 20449 *Turritella gatulensis* Conrad Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 100, pl. 6, fig. 5
S. of Progreso, Progreso Basin, Guayas Prov., SW. Ecu.
Progreso fm., middle Eocene
- 21111 *Turritella gatulensis* Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 148, pl. 14, fig. 12
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 21112 *Turritella gatulensis* Conrad Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 148, pl. 14, fig. 13
Water Cay, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 22982 *Turritella cf. gatulensis* Conrad Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 33, pl. 9, fig. 7
E. of Esperanza, Dept. of Bolívar, Col. Miocene
- 21479 *Turritella gatulensis lavelana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 23, pl. 18, fig. 6
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 21489 *Turritella gatulensis lavelana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 23, pl. 19, fig. 7
Quebrada S. of Butare SE. of La Vela de Coro, Dist. of Colina,
St. of Falcón, Ven. Miocene
- 21478 *Turritella gatulensis taratarana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 5
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21480 *Turritella gatulensis taratarana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 7
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse, Dist.
of Colina, St. of Falcón, Ven. upper middle Miocene
- 22983 *Turritella cf. gatulensis taratarana* F. Hodson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 34, pl. 9, fig. 8
Between Las Perdices and Pto. Colombia, Dept. of Atlantico,
Col. Miocene
- 21475 *Turritella gatulensis willistoni* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 2
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21476 *Turritella gatulensis willistoni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 3
NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene

- 21477 *Turritella gatunensis willistoni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 4
Agua Clara-Cují sec., Dist. of Miranda, St. of Falcón, Ven.
"Damsite fm."* [Caujarao fm.], upper middle Miocene
- 21481 *Turritella gatunensis willistoni* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 25, pl. 18, fig. 8
W. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
Miocene
- 21515 *Turritella gaweaveri†* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 22, fig. 3
Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
Oligocene-Miocene
- 21516a *Turritella gaweaveri†* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 22, fig. 5
Quebrada Santiago, SW. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
lower Agua Clara fm., upper Oligocene
- 21530 *Turritella gaweaveri†* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 23, fig. 9
Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
Oligocene-Miocene
- 21535 *Turritella gaweaveri†* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 24, fig. 4
Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
Oligocene-Miocene
- 2888 *Turritella ghigna* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 191, pl. 24, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2889 *Turritella ghigna* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 191, pl. 24, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2890 *Turritella ghigna* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 191, pl. 24, fig. 11
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2891 *Turritella ghigna* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 191, pl. 24, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2893 *Turritella ghigna* de Gregorio Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 191, pl. 24, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2053 *Turritella gilbertharrii* F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 13, fig. 5
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower
Oligocene

- 2054 ***Turritella gilbertharrisi*** F. Hodson Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 13, fig. 6
 Sal Chica, Dept. of Tumbes, Peru Chira fm., lower
 Oligocene
- 2058 ***Turritella gilbertharrisi*** F. Hodson Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 13, fig. 11
 Sal Chica, Dept. of Tumbes, Peru Chira fm., lower
 Oligocene
- 2059 ***Turritella gilbertharrisi*** F. Hodson Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 12, fig. 12
 Sal Chica, Dept. of Tumbes, Peru Chira fm., lower
 Oligocene
- 2062 ***Turritella gilbertharrisi*** F. Hodson Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 14, fig. 1
 Casa Saman near Tangara, Chira Valley, Dept. of Piura,
 Peru Chira fm., lower Oligocene
- 21430 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 2
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21432 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 4
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21434 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 12, fig. 6
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21435 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 13, figs. 1, 2
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21436 ***Turritella gilbertharrisi*** F. Hodson Holotype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 13, fig. 3
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21437 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 13, fig. 4
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21438 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 13, fig. 5
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene
- 21439 ***Turritella gilbertharrisi*** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 13, fig. 6; pl.
 14, fig. 4
 Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
 of Miranda, St. of Zulia upper Oligocene

- 21440 *Turritella gilbertharrisi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 14, fig. 1
Quebrada Sarura traverse, Dist. of Acosta, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- 21445 *Turritella gilbertharrisi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 17, pl. 14, fig. 7
Quebrada Sarura, Dist. of Acosta, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- Turritella gilbertharrisi* F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 77, pl. 13, fig. 7 (missing
prior to 1937)
Caleta Sal, Dept. of Tumbes, Peru Sal Chira shales,
Chira fm., lower Oligocene
- 21447 *Turritella gilbertharrisi aguavivensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 1
In small quebrada from NW. near junc. with Quebrada Santi-
ago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper Agua Clara fm., upper Oligocene
- 21454 *Turritella gilbertharrisi aguavivensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21441 *Turritella gilbertharrisi falconensis* Williston in F. Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 14, fig. 2
San Rafael, S. of Urumaco, Dist. of Democracia, St. of Falcón,
Ven. lower Socorro fm., middle Miocene
- 21444 *Turritella gilbertharrisi falconensis* Williston in F. Hodson
Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 14, fig. 6;
pl. 28, fig. 5
San Rafael, S. of Urumaco, Dist. of Democracia, St. of Falcón,
Ven. lower Socorro fm., middle Miocene
- 21446 *Turritella gilbertharrisi falconensis* Williston in F. Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 14, fig. 8
Near Urumaco, Dist. of Democracia, St. of Falcón, Ven.
lower Socorro fm., middle Miocene
- 21449 *Turritella gilbertharrisi falconensis* Williston in F. Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 3
Foot of NW. side of Mesa de Saladillo, SW. of Coro, Dist. of
Miranda, St. of Falcón, Ven. Miocene
- 21450 *Turritella gilbertharrisi falconensis* Williston in F. Hodson
Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 4
Socorro, S. of Urumaco, Dist. of Democracia, St. of Falcón Ven.
Socorro fm., middle Miocene

- 21452 *Turritella gilbertharrisi falconensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 5
Half way up S. side of Mesa de Saladillo, SW. of Coro, Dist.
of Miranda, St. of Falcón, Ven. middle Miocene
- 21453 *Turritella gilbertharrisi falconensis* Williston in F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, fig. 7
About 3 mi. E. of Curamichate, Dist. of Acosta, St. of Falcón,
Ven. upper Oligocene
- 21451 *Turritella gilbertharrisi stauferri* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 19, pl. 15, figs. 6, 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 2336 *Turritella gonlostoma* Valenciennes "var." Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 206, pl. 23, fig. 10
Quebrada Tucillal at Zorritos, Dept. of Tumbes, Peru
Tumbes* fm., upper Miocene
- 20284 *Turritella guppyi* Cossmann Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 190, depth 3942-3960 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21566 *Turritella guppyi* Cossmann Plastoholotype
T. tornata Guppy, Quart. Jour. Geol. Soc. London, v. 22, 1866,
p. 580, pl. 26, fig. 12. Holotype No. 115451, U. S. N. M.; *T.*
guppyi Cossmann, Rev. Crit. Paleozoologie, 1909, p. 225, new
name; Hodson, B.A.P., v. 11, No. 45, 1926, p. 42, pl. 27, fig. 1
Cumana, Dist. of Sucre, St. of Sucre, Ven. upper Mio-
cene?
- 21560 *Turritella guppyi morantensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 42, pl. 26, fig. 3
At sign board on E. side of rd., at fork in rd. to United Fruit
Co. Pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
SE. shore of Jamaica, W. I. Bowden fm., middle Mio-
cene
- 21562 *Turritella guppyi morantensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 42, pl. 26, fig. 5
At sign board on E. side of rd., at fork in rd. to United Fruit
Co. Pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
SE. shore of Jamaica, W. I. Bowden fm., middle Mio-
cene
- 21563 *Turritella guppyi morantensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 42, pl. 26, fig. 6
At sign board on E. side of rd., at fork in rd. to United Fruit
Co. Pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
SE. shore of Jamaica, W. I. Bowden fm., middle Mio-
cene

- 21565 **Turritella guppyi morantensis** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 42, pl. 26, fig. 8
At sign board on E. side of rd., at fork in rd. to United Fruit
Co. Pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
SE. shore of Jamaica, W. I. Bowden fm., middle Mio-
cene
- 21580 **Turritella guppyi morantensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 42, pl. 28, fig. 4
At sign board on E. side of rd., at fork in rd. to United Fruit
Co. Pier, Bowden, Port Morant, St. Thomas-in-the-East Par.,
SE. shore of Jamaica, W. I. Bowden fm., middle Mio-
cene
- 3630 **Turritella hopkinsi** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 64, pl. 14, fig. 2
Negritos, Dept. of Piura, Peru Salina fm*, lower
Eocene
- 2039 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 12, fig. 4
Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2041 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 12, fig. 6
Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2043 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931 p. 76, pl. 12, fig. 8
Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2046 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 12, fig. 13
Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2047 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 12, fig. 14
Caletto Mero, Dept. of Tumbes, Peru Heath fm., upper
Oligocene
- 2326 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 203, pl. 23, fig. 1
Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
Dept. of Tumbes, Peru probably upper Heath shales,
Oligocene
- 2327 **Turritella hubbardi** F. Hodson Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 203, pl. 23, fig. 2
Divide between Quebrada Seca and Quebrada Conchudo-Bravo,
Dept. of Tumbes, Peru probably upper Heath shales,
Oligocene
- 21401 **Turritella hubbardi** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 7, fig. 2

Quebrada Yaruma, Quebrada Santiago sec., S. Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. upper Agua Clara
fm., upper Oligocene

- 21402 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 7, fig. 4
Quebrada Yaruma, Quebrada Santiago sec., S. Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. upper Agua Clara
fm., upper Oligocene
- 21403 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 7, fig. 5
Quebrada Yaruma, Quebrada Santiago sec., S. Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. upper Agua Clara
fm., upper Oligocene
- 21406 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 8, fig. 1
Quebrada Yaruma, Quebrada Santiago sec., S. Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. upper Agua Clara
fm., upper Oligocene
- 21407 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 8, fig. 2
Float in small quebrada from NW. near junc. with Quebrada
Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. upper Agua Clara fm., upper Oligocene
- 21408 *Turritella hubbardi* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 7, fig. 3; pl. 8,
fig. 3; pl. 9, fig. 6
Quebrada Yaruma, Quebrada Santiago sec., S. of Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. upper Agua Clara
fm., upper Oligocene
- 21409 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 8, figs. 4, 6
Float in small quebrada from NW. near junc. with Quebrada
Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. upper Agua Clara fm., upper Oligocene
- 21410 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 8, fig. 5
Quebrada Yaruma, Quebrada Santiago sec., S. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
Clara fm., upper Oligocene
- 21412 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 9, fig. 1
Quebrada Yaruma, Quebrada Santiago sec., S. of Dabajuro,
Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
Clara fm., upper Oligocene
- 21417 *Turritella hubbardi* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 9, fig. 5
Quebrada Santiago, SW. of Dabajuro, Dist. of Buchivacoa, St.
of Falcón, Ven. upper Agua Clara fm., upper Oligocene

- 21443 **Turritella hubbardi** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 14, pl. 14, fig. 5
 Quebrada Yaruma, Quebrada Santiago sec., S. of Dabajuro,
 Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua
 Clara fm., upper Oligocene
- Turritella hubbardi** F. Hodson Hypotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 12, fig. 10 (missing
 prior to 1937)
 Caleto Mero, Dept. of Tumbes, Peru Heath fm., upper
 Oligocene
- 20453 **Turritella hubbardi masasenensis** Marks Holotype
 Marks, B.A.P., v. 33, No. 139, 1951, p. 104, pl. 6, fig. 11
 Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 20454 **Turritella hubbardi masasensis** Marks Paratypes
 Marks, B.A.P., v. 33, No. 139, 1951, p. 104 (2 specimens)
 Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
 Subibaja fm., lower Miocene
- 21411 **Turritella hubbardi weeksi** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 8, fig. 7
 E. of Quebrada La Mesa and N. of Río Tamare, about 8 km.
 SW. of Quiroz,* Dist. of Bolívar, St. of Zulia, Ven.
 Oligocene-Miocene
- 21422 **Turritella hubbardi weeksi** F. Hodson Holotype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 10, fig. 4
 E. of Quebrada La Mesa and N. of Río Tamare, about 8 km.
 SW. of Quiroz,* Dist. of Bolívar, St. of Zulia, Ven.
 Oligocene-Miocene
- 21423 **Turritella hubbardi weeksi** F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 15, pl. 10, fig. 5
 E. of Quebrada La Mesa and N. of Río Tamare, about 8 km.
 SW. of Quiroz,* Dist. of Bolívar, St. of Zulia, Ven.
 Oligocene-Miocene
- 272 **Turritella humerosa** Conrad "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 75, pl. 10, fig. 6
 Greggs Ldg., Alabama R., Monroe Co., Ala. middle
 Wilcox [Sabine] gr., lower Eocene
- 273 **Turritella humerosa** Conrad "var." Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 75, pl. 10, fig. 7
 Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox
 [Sabine] gr., lower Eocene
- Turritella humerosa** Conrad Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 75, pl. 10, fig. 5; Harris,
 La. Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 5 (lost prior to
 1937)
 Locality not designated Wilcox [Sabine] gr., lower
 Eocene

- Turritella humerosa*** Conrad "var." Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 110, pl. 11, fig. 13 (lost prior to 1937)
Horn hill, Limestone Co., Tex. Midway gr., Paleocene
- 3629 ***Turritella iddingsi*** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 1
Negritos, Dept. of Piura, Peru Restin fm., middle Eocene
- 2316 ***Turritella illesca*** Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 202, pl. 22, fig. 1
Tric Trac Point near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2317 ***Turritella illesca*** Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 202, pl. 22, fig. 2
Tric Trac Point near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 7173 ***Turritella infans*** Stenzel and Turner Paratypes
Stenzel and Turner, Univ. Tex. Publ. 3945, 1940, p. 838 (8 specimens)
Stone City, Burleson Co., Tex. Stone City beds, middle
Claiborne gr., middle Eocene
- 2321 ***Turritella infracarinata*** Grzybowski Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 196, pl. 22, fig. 6
Quebrada Montera, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 2323 ***Turritella infracarinata*** Grzybowski Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 196, pl. 22, fig. 8
Quebrada Montera, Dept. of Piura, Peru Montera fm.,
lower Miocene
- 20450 ***Turritella infracarinata*** Grzybowski Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 101, pl. 6, fig. 1
Near Jerusal m, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20451 ***Turritella infracarinata*** Grzybowski Hypotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 101, pl. 6, fig. 14
Near Jerusal m, Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 20452 ***Turritella infracarinata*** Grzybowski, n. subsp. Figured specimen
Marks, B.A.P., v. 33, No. 139, 1951, p. 103, pl. 6, fig. 12
Las Masas, NE. Progreso Basin, Guayas Prov., SW. Ecua.
Subibaja fm., lower Miocene
- 4895 ***Turritella inuya*** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 73, pl. 13, fig. 10
Tortuga, coast of Paita, Pen., Dept. of Piura, Peru
lower zone, Maestrichtian
- 4896 ***Turritella inuya*** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 73, pl. 13, fig. 11

Tortuga, coast of Paita, Pen., Dept. of Piura, Peru
lower zone, Maestrichtian

- 3639 **Turritella keswickensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 67, pl. 14, fig. 11
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 3640 **Turritella keswickensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 67, pl. 14, fig. 12
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 3641 **Turritella keswickensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 67, pl. 14, fig. 13
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura, Peru
Parinas fm., middle Eocene
- 4884 **Turritella lama** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 70, pl. 10, fig. 5
Tortuga, coast of Paita, Dept. of Piura, Peru lower zone, Maestrichtian
- 4885 **Turritella lama** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 70, pl. 10, fig. 8 (broken prior to 1956)
Tortuga, coast of Paita, Dept. of Piura, Peru lower zone, Maestrichtian
- 4886 **Turritella lama** Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 70, pl. 10, fig. 10 (broken prior to 1956)
Tortuga, coast of Paita, Dept. of Piura, Peru lower zone, Maestrichtian
- 21379 **Turritella larensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 3, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21380 **Turritella larensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 3, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 21381 **Turritella larensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 3, fig. 3
Float in small quebrada from NW. junc. with Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm., upper Oligocene
- 21382 **Turritella larensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 3, fig. 4
In small quebrada from NW. near junc. with Quebrada Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. upper Agua Clara fm., upper Oligocene

- 21383 *Turritella larensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 3, fig. 5
On trail between Baragua and Carora, SW. of San Cristobal,
Dist. of Torres, St. of Lara, Ven. Oligocene-Miocene
- 21384 *Turritella larensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 4, fig. 1
Float in small quebrada from NW. near junc. with Quebrada
Santiago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. upper Agua Clara fm., upper Oligocene
- 21385 *Turritella larensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 4, fig. 2
Río El Mene, SE. of La Planchada between El Alambre and El
Carmen, SE. of Dabajuro, Dist. of Buchivacoa, St. of Falcón,
Ven. upper Agua Clara fm., upper Oligocene
- 21386 *Turritella larensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 4, fig. 4
In small quebrada from NW. near junc. with Quebrada Santi-
ago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper Agua Clara fm., upper Oligocene
- 21388 *Turritella larensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 4, fig. 5
On trail between Baragua and Carora, SW. of San Cristobal,
Dist. of Torres, St. of Lara, Ven. Oligocene-Miocene
- 21393 *Turritella larensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 10, pl. 5, fig. 4
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oli-
gocene
- 2319 *Turritella larensis bayovarensis* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 201, pl. 22, fig. 4
Tric Trac Point, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2322 *Turritella larensis bayovarensis* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 201, pl. 22, fig. 7
Tric Trac Point, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 2325 *Turritella larensis bayovarensis* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 201, pl. 22, fig. 10
Tric Trac Point, near Bayovar, Dept. of Piura, Peru
Montera fm., lower Miocene
- 21394 *Turritella larensis carrizalensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 6, fig. 1
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oli-
gocene
- 21396 *Turritella larensis carrizalensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 6, fig. 3

- Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oli-
gocene
- 21397 *Turritella larensis carrizalensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 1, No. 45, 1926, p. 12, pl. 6, fig. 4
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oli-
gocene
- 21419 *Turritella larensis guaratarensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 10, fig. 1
At S. foot of Cerro Guaratara, on trail from Yavalito to La
Montañita, Dist. of Buchivacoa, St. of Falcón, Ven.
Agua Clara fm., upper Oligocene
- 21421 *Turritella larensis guaratarensis* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 10, fig. 3
El Carmen, ESE. of Dabajuro, Dist. of Buchivacoa, St. of
Falcón, Ven. San Luis fm., middle Oligocene
- 21387 *Turritella larensis santiagana* F. Hodson Holotype
Hodson, F., B.A.P., v. 1, No. 45, 1926, p. 12, pl. 4, fig. 3
On trail from Quebrada Santiago to Dabajuro, Dist. of Buchi-
vacoa, St. of Falcón, Ven. lower Cerro Pelado fm., upper
Oligocene
- 21389 *Turritella larensis santiagana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 4, fig. 6
In small quebrada from NW. near junc. with Quebrada Santi-
ago, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
upper Agua Clara fm., upper Oligocene
- 21391 *Turritella larensis santiagana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 12, pl. 5, fig. 2
Quebrada Santiago sec., S. of Dabajuro, Dist. of Buchivacoa,
St. of Falcón, Ven. upper Agua Clara fm., upper Oli-
gocene
- 22980 *Turritella lloydsmithi* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 34, pl. 9, fig. 5
Near Usiacuri, Tuberá, or Piedras de Afilar, Dept. of At-
lantico, Col. middle Miocene
- 22981 *Turritella lloydsmithi* Pilsbry and Brown Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 34, pl. 9, fig. 6
Near Usiacuri, Tuberá, or Piedras de Afilar, Dept. of At-
lantico, Col. middle Miocene
- 1100 *Turritella machapoorensis* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 234, pl. 42, fig. 11
Machapoorie Quarry, N. Charuma Ward, NW. Nariva Co.,
Trinidad, W. I. Machapoorie mem., Manzanilla fm.,
Miocene
- 24140 *Turritella machapoorensis guarirensis* F. Hodson Holotype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p.
10, pl. 7, fig. 5

Hill SW. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. upper middle Oligocene

- 24143 **Turritella machapoorensis guarirensis** F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 10, pl. 8, fig. 3
Hill SW. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. upper middle Oligocene
- 24141 **Turritella machapoorensis paraguanensis** F. Hodson Holotype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 9, pl. 8, fig. 1
Cantaure.* Cocodite* area, Paraguaná Pen., Dist. of Falcón, St. of Falcón, Ven. lower Miocene
- 24136 **Turritella machapoorensis wiedenmayeri** F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 9, pl. 7, fig. 1
Cerro de Los Tirantes, N. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. lower Miocene
- 24137 **Turritella machapoorensis wiedenmayeri** F. Hodson Holotype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 9, pl. 7, fig. 3
On slope of hill N. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. lower Miocene
- 24138 **Turritella machapoorensis wiedenmayeri** F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 9, pl. 7, fig. 3
On slope of hill, N. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. lower Miocene
- 24139 **Turritella machapoorensis wiedenmayeri** F. Hodson Paratype
Hodson, F. and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p. 9, pl. 7, fig. 4
On slope of hill, N. of Guariro (Guariro is ESE. of Dabajuro), Dist. of Buchivacoa, St. of Falcón, Ven. lower Miocene
- 21495 **Turritella matarucana** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 20, fig. 4
Quebrada, NW. sec., La Vela de Coro., Dist. of Colina, St. of Falcón, Ven. Miocene
- 21504 **Turritella matarucana** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 21, fig. 1
Quebrada, NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven. Miocene
- 21512 **Turritella matarucana** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 21, fig. 9
Quebrada, NW. sec., La Vela de Coro, Dist. of Colina, St. of Falcón, Ven. Miocene
- 2049 **Turritella meroensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 13, fig. 1

- Caleto Mero, Dept. of Tumbes, Peru
upper Oligocene
- Heath fm., upper
- 2050 *Turritella meroensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 13, fig. 2
Caleto Mero, Dept. of Tumbes, Peru
Heath fm., upper
upper Oligocene
- 2051 *Turritella meroensis* Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 13, fig. 3
Caleto Mero, Dept. of Tumbes, Peru
Heath fm., upper
upper Oligocene
- 2052 *Turritella meroensis* Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 76, pl. 13, fig. 4
Caleto Mero, Dept. of Tumbes, Peru
Heath fm., upper
upper Oligocene
- 21104 *Turritella mimetes* Brown and Pilsbry Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 149, pl. 14, fig. 5
Gatun, C. Z. Gatun fm., middle Miocene
- 21442 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., 11, No. 45, 1926, p. 20, pl. 14, fig. 3; pl. 17, fig. 11
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua Clara fm., upper Oligocene
- 21448 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 15, fig. 2
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua Clara fm., upper Oligocene
- 21458 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 16, fig. 4
Santiago Quebrada, S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven.
- 21459 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 16, fig. 5
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua Clara fm., upper Oligocene
- 21460 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 16, fig. 6; pl. 17, fig. 7
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua Clara fm., upper Oligocene
- 21462 *Turritella montañitensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 16, fig. 8
Quebrada Santiago sec., Dist. of Buchivacoa, St. of Falcón, Ven. lower Agua Clara fm., upper Oligocene

- 21464 **Turritella montañitensis** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 16, fig. 10;
pl. 17, fig. 8
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. lower Agua Clara
fm., upper Oligocene
- 21469 **Turritella montañitensis** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 20, pl. 17, figs. 3,
10
Cerro La Montañita, 25 km. E. and 9 km. S. of Dabajuro, Dist.
of Buchivacoa, St. of Falcón, Ven. lower Agua Clara
fm., upper Oligocene
- 21466 **Turritella montañitensis oleotti** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 21, pl. 16, fig. 12
Near Cerro Culón on trail to La Planchada, Dist. of Buchi-
vacoa, St. of Falcón, Ven. San Luis or Agua Clara fm.,
middle or upper Oligocene
- 21500 **Turritella montañitensis oleotti** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 21, pl. 20, fig. 9
Near Cerro Culón on trail to La Planchada, Dist. of Buchi-
vacoa, St. of Falcón, Ven. [in place] Agua Clara fm.,
upper Oligocene
- 21456 **Turritella montañitensis saladilloensis** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 22, pl. 16, fig. 2
At Saladillo, on trail from Dabajuro to Camare (SE. of Daba-
juro), Dist. of Buchivacoa, St. of Falcón, Ven. middle
or upper? Oligocene
- 271 **Turritella mortoni** Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 74, pl. 10, fig. 4; Harris,
La. Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 4
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox
[Sabine] gr., lower Eocene
- 2880 **Turritella mortoni** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 23, fig. 6
Potomac Cr., Stafford Co., Va. Nanjemoy fm., lower
Eocene
- 2883 **Turritella mortoni** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 23, fig. 11
Potomac Cr., Stafford Co., Va. Nanjemoy fm., lower
Eocene
- 2892 **Turritella mortoni** Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 24, fig. 14
Top layer, Ratcliff Wharf, Rappahannock R., W. Hanover Co.,
Va. Nanjemoy fm., lower Eocene
- 3904 **Turritella mortoni** Conrad Hypotype
Harris, Amer. Jour. Sci., v. 47, 1894, p. 304, fig. 3
Glymont, Potomac R., Stafford Co., Va. Aquia fm.,
Paleocene, (Loeblich *et al*, 1957)

- Turritella mortoni* Conrad "var."** Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 110, pl. 11, fig. 8 (lost prior to 1937)
 Exact locality not designated Midway gr., Paleocene
- 43 ***Turritella mortoni leviunea* Harris** Holotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 110, pl. 11, fig. 9
 Dale's Branch, near Oak Hill, Wilcox Co., Ala. Naheola fm., upper Midway gr., Paleocene
- 270 ***Turritella mortoni postmortoni* Harris** Hypotype
 Harris, B.A.P., v. 3, No. 11, 1899, p. 74, pl. 10, fig. 3
 Nanafalia Ldg., Tombigbee R., Marengo Co., Ala. lower Wilcox [Sabine] gr., lower Eocene
- 2881 ***Turritella mortoni postmortoni*† Harris** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 188, pl. 23, figs. 8, 10
 Exact locality unknown, Ala. Wilcox [Sabine] gr., lower Eocene
- 2882 ***Turritella mortoni postmortoni*† Harris** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 188, pl. 23, fig. 9
 Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or upper Wilcox [Sabine] gr. lower Eocene
- 3903 ***Turritella mortoni postmortoni* Harris** Syntype
 Harris, Amer. Jour. Sci., v. 47, 1894, p. 304, fig. 2 [fig. 1 lost]
 Aquia Cr., Stafford Co., Va. Aquia fm., Paleocene (Loeblich *et al*, 1957)
- 2878 **Cf. *Turritella mortoni turneri* Plummer** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 23, fig. 3
 Lisbon Bluff Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2879 **Cf. *Turritella mortoni turneri* Plummer** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 195, pl. 23, fig. 7
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2899 ***Turritella nasuta* Gabb** Hypotype
 Palmer B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 1
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2900 ***Turritella nasuta* Gabb** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 2
 Base of bluff, Claiborne, Alabama R., Monroe Co. Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2901 ***Turritella nasuta* Gabb** Hypotype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 3
 Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene

- 2902 *Turritella nasuta* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 5
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr. middle Eocene
- 2903 *Turritella nasuta* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 6
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr. middle Eocene
- 2904 *Turritella nasuta* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 8
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2905 *Turritella nasuta* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 9
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2906 *Turritella nasuta* Gabb Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 200, pl. 25, fig. 10
"Big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. Stone City, Burleson Co., Tex. Probably is Cedar Cr., near Wheelock, Robertson Co., Tex. (pers. commun. 1958, Stenzel) Cook Mt. fm., upper Claiborne gr., middle Eocene
- 7174 *Turritella nasuta brazita* Stenzel and Turner Paratypes
Stenzel and Turner, Univ. Tex. Publ. 3945, 1940, p. 835 (3 specimens)
Little Brazos R., 2½ mi. above Stone City, Brazos R., Brazos Co., Tex. Wheelock mem., Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2907 *Turritella nasuta houstonia* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 201, pl. 25, fig. 7
Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex. Stone City beds, middle Claiborne gr., middle Eocene
- 2908 *Turritella nasuta houstonia* Harris Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 201, pl. 25, fig. 11
Smithville, Bastrop Co., Tex. [loc. verified] Weches fm., middle gr., middle Eocene
- 20822 *Turritella natalensis* Jenkins Syntypes
Jenkins, Amer. Philos. Soc. Proc., v. 52, No. 211, 1913, p. 451, pl. 20, figs. 6, 6a
Itapasaroca, Natal, Prov. of Rio Grande do Norte, Brazil.
Upper Cretaceous
- 2915 *Turritella obruta* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 203, pl. 26, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport sd., uppermost Claiborne gr., middle Eocene

- 2916 *Turritella obruta* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 203, pl. 26, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2917 *Turritella obruta* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 203, pl. 26, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 21100 *Turritella oreodoxa* Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 152, pl. 14, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 4897 *Turritella parinensis* Olsson Holotype
Olsson B.A.P., v. 28, No. 111, 1944, p. 75, pl. 11, figs. 2, 12
Parinas Pt., Dept. of Piura, Peru Parinas ss., middle
Miocene
- 4898 *Turritella parinensis* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 75, pl. 11, fig. 1
Cabo Blanco, Dept. of Piura, Peru Parinas ss., middle
Miocene
- 4593 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 1
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4594 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 2
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4595 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 3
Garland Cr. $\frac{1}{2}$ -1 mi. below old bridge site, Clarke Co., Miss.
lower Jackson gr., upper Eocene
- 4596 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 6
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4597 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 8
Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4598 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 11

- Garland Cr., near Shubuta, Clarke Co., Miss. lower
Jackson gr., upper Eocene
- 4599 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 10
Garland Cr., $\frac{1}{2}$ -1 mi. below old bridge site, Clarke Co., Miss.
lower Jackson gr., upper Eocene
- 4600 *Turritella perdita* Conrad Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 292,
pl. 37, fig. 9
Garland Cr., $\frac{1}{2}$ -1 mi. below old bridge site, Clarke Co., Miss.
lower Jackson gr., upper Eocene
- 4601 *Turritella perdita jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 294,
pl. 37, fig. 4
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4602 *Turritella perdita jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 294,
pl. 37, fig. 7
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4603 *Turritella perdita jacksonensis* Cooke Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 294,
pl. 37, fig. 5
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 25176 *Turritella pilsbryi* Gardner Hypotype
Palmer, Jour. Pal., v. 32, No. 1, 1958, p. 210, text fig. 1
Nine mi. N. of Yorktown, York Co., Va. Yorktown
fm., upper Miocene
- 25176a *Turritella pilsbryi* Gardner Hypotype
Palmer, Jour. Pal., v. 32, No. 1, 1958 p. 210
York R. 9 mi. N. of Yorktown, York Co., Va. York-
town fm., upper Miocene
- 25177 *Turritella pilsbryi* Gardner Hypotype
Palmer, Jour. Pal., v. 32, No. 1, 1958, p. 210, text fig. 2
Nine mi. N. of Yorktown, York Co., Va. Yorktown
fm., upper Miocene
- 25177a *Turritella pilsbryi* Gardner Hypotypes
Palmer, Jour. Pal., v. 32, No. 1, 1958, p. 212 (additional embryos)
Nine mi. N. of Yorktown, York Co., Va. Yorktown
fm., upper Miocene
- 25178 *Turritella pilsbryi* Gardner Hypotype
Palmer, Jour. Pal., v. 32, No. 1, 1958, p. 210, text fig. 3
Nine mi. N. of Yorktown, York Co., Va. Yorktown
fm., upper Miocene

- 25368 **Turritella pilsbryi** Gardner Hypotype
Palmer, Jour. Pal., v. 32, No. 1, 1958, p. 210 (5 specimens)
Near mouth of York R., York Co., Va. Yorktown fm.,
upper Miocene
- 1095 **Turritella planigyrate** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 232, pl. 42, fig. 6
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper Mio-
cene
- 1096 **Turritella planigyrate** Guppy Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 232, pl. 42, fig. 7
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper Mio-
cene
- 1097 **Turritella planigyrate** Guppy Hypotype
Maury, B.A.P. v. 10, No. 42, 1925, p. 232, pl. 42, fig. 8
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE.
Caroni Co., Trinidad, W. I. Springvale fm., upper Mio-
cene
- 21484 **Turritella planigyrate** Guppy Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 19, fig. 2
Punta Pedernales, $\frac{1}{4}$ mi. up Caño Pedernales from Caño
Mánamo, Territorio Federal Delta Amacuro, Ven. Mio-
cene
- 21491 **Turritella planigyrate** Guppy Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 29, pl. 19, fig. 9
Manzanilla, Manzanilla Ward, central St. Andrew Co., Trinidad,
W. I. Manzanilla fm., Miocene
- 21508 **Turritella plebeia** Say Hypotype
Hodson, F., B.P.A., v. 11, No. 45, 1926, p. 31, pl. 21, fig. 5
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene
- 21492 **Turritella plebeia alowensi**† F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 20, fig. 1
NW. of Urumaco, Dist. of Democracia, St. of Falcón, Ven.
upper middle Miocene
- 21493 **Turritella plebeia alowensi**† F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 20, fig. 2
Quebrada S. of Butare, SE. of La Vela de Coro, Dist. of Colina,
St. of Falcón, Ven. Miocene
- 21496 **Turritella plebeia alowensi**† F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 20, fig. 5
Quebrada S. of Butare, SE. of La Vela de Coro, Dist. of Colina,
St. of Falcón, Ven. Miocene

- 21497 *Turritella plebeia alowensi*† F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 20, fig. 6
NW. of Urumaco, Dist. of Democracia, St. of Falcón Ven.
Miocene
- 21523 *Turritella plebeia alowensi*† F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 23, fig. 2
NW. of Urumaco, Dist. of Democracia, St. of Falcón Ven.
Miocene
- 21577 *Turritella plebeia alowensi*† F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 28, fig. 1
Quebrada S. of Butare, SE. of La Vela de Coro, Dist. of Colina
St. of Falcón, Ven. Miocene
- 274 *Turritella praecincta* Conrad Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 76, pl. 10, fig. 8; Harris, La.
Geol. Surv. Rpt., 1899, p. 308, pl. 55, fig. 6
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 4892 *Turritella prechira* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 72, pl. 10, fig. 13 (orig.
label Tortuga)
La Mesa, S. corner Paita Mts., Dept. of Piura, Peru
Campanian
- 4964 *Turritella prelissoni* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 73, pl. 16, fig. 2
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 2333 *Turritella prenuncia* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 193, pl. 23, fig. 8
Quebrada La Cruz, Dept. of Tumbes, Peru Zorritos fm.,
lower Miocene
- 2335 *Turritella prenuncia* Spieker Hypotype
Olsson B.A.P., v. 19, No. 68, 1932, p. 193, pl. 23, fig. 9
Quebrada La Cruz, Dept. of Tumbes, Peru Zorritos fm.,
lower Miocene
- 2331 *Turritella prenuncia cruziana* Olsson Paratype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 195, pl. 23, fig. 6
Quebrada La Cruz, Dept. of Tumbes, Peru Zorritos fm.,
lower Miocene
- 2332 *Turritella prenuncia cruziana* Olsson Holotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 195, pl. 23, fig. 7
Quebrada La Cruz, Dept. of Tumbes, Peru Zorritos fm.,
lower Miocene
- 2868 *Turritella rina* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 192, pl. 22, fig. 3
Route 15, 2 mi. NE. Newton, Newton Co., Miss. Cook
Mt. fm., upper Claiborne gr., middle Eocene

- 2869 *Turritella rina* Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 192, pl. 22, fig. 4
Sabine R., Outcrop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Veatch Survey,
1902, p. 129) Stone City beds, middle Claiborne gr.,
middle Eocene (Stenzel, Krause, and Twining, 1957, p. 66)
- 2874 *Turritella rina* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 192, pl. 22, fig. 9
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- 4458 *Turritella rina* Palmer Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 17, pl. 1, fig. 12
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4459 *Turritella rina* Palmer Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 17, pl. 1, fig. 13
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4460 *Turritella rina* Palmer Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 17, pl. 1, fig. 14
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4461 *Turritella rina* Palmer Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 17, pl. 1, fig. 15
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 4462 *Turritella rina* Palmer Hypotype
Palmer, B.A.P., v. 28, No. 112, 1944, p. 17, pl. 1, fig. 16
Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 2872 *Turritella rina carolina* Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 6
About 3 mi. WNW. Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 2866 *Turritella rina subrina* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 1
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2867 *Turritella rina subrina* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 2
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 2870 *Turritella rina subrina* Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 5
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene

- 2871 *Turritella rina subrina* Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, figs. 8, 10
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 2873 *Turritella rina subrina* Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 7 (lost)
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 2875 *Turritella rina subrina* Palmer Syntype
 Palmer, B.A.P., v. 7, No. 32, 1937, p. 194, pl. 22, fig. 11
 Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
 Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
 Eocene
- 4604 *Turritella rivurbana* Cooke Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 295,
 pl. 38, fig. 6
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4605 *Turritella rivurbana* Cooke Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 295,
 pl. 38, fig. 7
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 4606 *Turritella rivurbana* Cooke Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 295,
 pl. 38, fig. 9
 Jackson, Hinds Co., Miss. Moodys Branch fm., lower
 Jackson gr., upper Eocene
- 21390 *Turritella robusta fredeai* F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 5, fig. 1
 NE. of La Vuelta and NW. of Urumaco, Dist. of Democracia,
 St. of Falcón Ven. middle or upper Miocene
- 21392 *Turritella robusta fredeai* F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 5, fig. 3
 In Río Codore, 4.9 km. N. and 380 mi. W. of Urumaco, Dist. of
 Democracia, St. of Falcón, Ven. upper middle Miocene
- 21395 *Turritella robusta fredeai* F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 6, fig. 2
 NE. of La Vuelta and NW. of Urumaco, Dist. of Democracia,
 St. of Falcón, Ven. middle or upper Miocene
- 21398 *Turritella robusta fredeai* F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 6, fig. 5
 In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
 Democracia, St. of Falcón, Ven. upper middle Miocene
- 21400 *Turritella robusta fredeai* F. Hodson Paratype
 Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 7, fig. 1

Near La Vuelta, NW. of Urumaco, Dist. of Democracia, St.
of Falcón, Ven. Miocene

- 21404 **Turritella robusta fredeai** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 7, fig. 6
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 21405 **Turritella robusta fredeai** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 7, fig. 7
In Río Codore, 4.9 km. N. and 380 m. W. of Urumaco, Dist. of
Democracia, St. of Falcón, Ven. upper middle Miocene
- 21418 **Turritella robusta fredeai** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 9, fig. 7
NE. of La Vuelta and SW. of Urumaco, Dist. of Democracia,
St. of Falcón, Ven. middle or upper Miocene
- 21586 **Turritella robusta fredeai** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 13, pl. 29, fig. 6
Las Muertecitas* about 3 league W. of Sabaneta, just. S. of
rd. to Urumaco, Dist. of Miranda, St. of Falcón, Ven.
Miocene
- 2055 **Turritella salchica** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 13, fig. 8
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower Oli-
gocene
- 2056 **Turritella salchica** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 13, fig. 9
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower Oli-
gocene
- 2057 **Turritella salchica** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 13, fig. 10
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower Oli-
gocene
- 2060 **Turritella salchica** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 13, fig. 13
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower Oli-
gocene
- 2061 **Turritella salchica** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 78, pl. 13, fig. 14
Sal Chica, Dept. of Tumbes, Peru Chira fm., lower Oli-
gocene
- 3631 **Turritella samanensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 3
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3632 **Turritella samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 4 (missing
in 1937)

Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene

- 3634 *Turritella samanensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 6 (missing prior to 1937)
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3635 *Turritella samanensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 7
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3636 *Turritella samanensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 65, pl. 14, fig. 8
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 4887 *Turritella saposa* Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 4
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 4888 *Turritella saposa* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 6
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 4889 *Turritella saposa* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 7
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 4890 *Turritella saposa* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 11
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 4891 *Turritella saposa* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 12
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 4891a *Turritella saposa* Olsson Paratype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 71, pl. 10, fig. 9
Tortuga, coast of Paita Pen., Dept. of Piura, Peru lower zone, Maestrichtian
- 1907 *Turritella* sp. Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 30, pl. 7, fig. 12
From 85.7 km. from Luanda on Luanda-Malange R.R. between Cachari and Barraca, near Catete, Angola (loc. S 7)
Quimbriz fm., Eocene (Miocene, Darteville and Roger, 1954)
- 1908 *Turritella* sp. Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 30, pl. 7, fig. 13

From 85.7 km. from Luanda on Luanda-Malange R.R. between Cachari and Barraca, near Catete, Angola (loc. S 7)
Quimbriz fm., Eocene (Miocene, Darteville and Roger, 1954)

- 20282 *Turritella* sp. 1 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Rodriguez No. 718, depth 2516-2537 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower Miocene
- 20285 *Turritella* sp. 2 Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Lagunillas No. 215, depth 3044-3063 ft., Bolívar Coastal Field, Dist. of Bolívar, St. of Zulia, Ven. Lagunillas fm., middle Miocene
- 24979 *Turritella* (*Haustator*) sp. Figured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 29, pl. 1, fig. 8
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24980 *Turritella* (*Haustator*) sp. Figured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 29, pl. 1, fig. 9
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 24754 *Turritella subannulata*† *acropora* Dall Representative specimen
Perry and Schwengel, 1955, p. 135, pl. 25, fig. 181
Sanibel, Lee Co., Fla. Recent
- 22978 *Turritella supraconcava fredeai* F. Hodson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 30, pl. 9, fig. 3
Near Usiacuri, Dept. of Atlantico, or E. of Esperanza, Dept. Bolívar, Col. Miocene
- 22979 *Turritella supraconcava fredeai* F. Hodson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 30, pl. 9, fig. 4
Near Usiacuri, Dept. of Atlantico, or E. of Esperanza, Dept. Bolívar, Col. Miocene
- Turritella tennesseensis* Gabb Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 108, pl. 11, fig. 5 (lost prior to 1937)
R. R. cut 2 mi. E. of Middleton, Hardeman Co., Tenn.
Midway gr., Paleocene
- 24982 *Turritella terebralis* Lamarck Hypotype
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35, 1954, p. 22, pl. 1, fig. 11
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola Miocene
- 1099 *Turritella trinitaria* Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 230, pl. 42, fig. 10

Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE Forres Park sugar mill, near Savaneta ["Savonetta"], Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Springvale fm., upper Miocene

- 2320 *Turritella varicosta* Spieker Hypotype
Olsson, B.A.P., v. 19, No. 68, 1932, p. 199, pl. 22, fig. 5
Quebrada Heath, Dept. of Tumbes, Peru Variegated
beds, lower Miocene
- 21518 *Turritella variegata* Linnaeus Hypotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 22, fig. 7
N. coast of Ven. Recent
- 1098 *Turritella variegata meta* Reeve Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 233, pl. 42, fig. 9
Gulf of Paria, W. coast of Trinidad, W. I. Recent
- 21505 *Turritella variegata paraguanaensis* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 31, pl. 21, fig. 2
Punta Adaro, SW. part of Paraguana Pen., Dist. of Falcón,
St. of Falcón, Ven. Quaternary
- 21510 *Turritella variegata paraguanaensis* F. Hodson Holotype
Hodson, B.A.P., v. 11, No. 45, 1926, p. 31, pl. 21, fig. 7
Punta Adaro, SW. part of Paraguana Pen., Dist. of Falcón,
St. of Falcón, Ven. Quaternary
- 21507 *Turritella venezuelana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 32, pl. 21, fig. 4
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21511 *Turritella venezuelana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 32, pl. 21, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21513 *Turritella venezuelana* F. Hodson Paratype
Hodson, F., B.A.P. v. 11, No. 45, 1926, p. 32, pl. 22, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21517 *Turritella venezuelana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 32, pl. 22, fig. 6
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 20283 *Turritella venezuelana quirosana* F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Tía Juana No. 147, depth 3331-3341 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 21520 *Turriella venezuelana quirosana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 22, fig. 9
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene

- 21521 *Turritella venezuelana quirosana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 22, fig. 10
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21532 *Turritella venezuelana quirosana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 24, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda St. of Zulia, Ven. upper Oligocene
- 21519 *Turritella venezuelana watkinsi* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 34, pl. 22, fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda St. of Zulia, Ven. upper Oligocene
- 21524 *Turritella vistana* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 23, fig. 3
E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse,
Dist. of Colina, St. of Falcón, Ven. upper middle Mio-
cene
- 21525 *Turritella vistana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 23, fig. 4
Guaibacoa, SE. of La Vela de Coro, Dist. of Colina, St. of
Falcón, Ven. middle Miocene
- 21573 *Turritella vistana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 27, fig. 8
NW. sec., La Vela de Coro, Dist. of Colina St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21574 *Turritella vistana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 27, fig. 9
NW. sec., La Vela de Coro, Dis. of Colina, St. of Falcón, Ven.
La Vela fm., upper Miocene
- 21576 *Turritella vistana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 27, fig. 12
(broken)
E. sec., La Vela, Dist. of Colina, St. of Falcón, Ven.
Miocene
- 21584 *Turritella vistana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 46, pl. 29, fig. 4
NW. sec., La Vela de Coro, Dist. of Colina St. of Falcón, Ven.
La Vela fm., upper Miocene
- 22974 *Turritella vistana colombiana* Weisbord Holotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 32, pl. 8, fig. 14
Near Tuberá, Pto. Colombia, or Morro Hermoso, Dept. of
Atlantico, Col. Miocene
- 22986 *Turritella vistana colombiana* Weisbord Paratype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 32, pl. 9, fig. 11
Near Tuberá, Pto. Colombia, or Morro Hermoso, Dept. of
Atlantico, Col. Miocene

- 21527 ***Turritella vistana nicholsi*** Williston *in* F. Hodson Paratypes
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 23, fig. 6
(2 specimens)
Upper specimen Williston coll. exact locality not designated, St.
of Falcón, Ven.; lower specimen from La Vela de Coro, Dist.
of Colina, St. of Falcón, Ven. Miocene
- 21582 ***Turritella vistana nicholsi*** Williston *in* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 29, fig. 2
Guaibacoa, SW. of La Vela de Coro, Dist. of Colina, St. of
Falcón, Ven. middle Miocene
- 21585 ***Turritella vistana nicholsi*** Williston *in* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 48, pl. 29, fig. 5
N. coast La Vela de Coro sec., Dist. of Colina, St. of Falcón,
Ven. Miocene
- 20178 ***Turritella* cf. *wechesensis*** Bowles Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1661
N. side of road between Puente Gomez and Casa del Zinc, 700
m. W. of junc. with road to Chejendé, Carache R. Valley, Dist.
of Carache, St. of Trujillo, Ven. Trujillo fm., middle
Eocene
- 21368 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 1, fig. 1
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21369 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 1926, p. 8, pl. 1, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21370 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 1, fig. 3
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21371 ***Turritella zuliana*** F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 1, fig. 4
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21372 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 1, fig. 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21373 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 1, fig. 6
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21375 ***Turritella zuliana*** F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 2, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene

- 21376 *Turritella zuliana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 2, fig. 3
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21377 *Turritella zuliana* F. Hodson Paratype
Hodson, F., B.A.P. v. 11, No. 45, 1926, p. 8, pl. 2, fig. 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21378 *Turritella zuliana* F. Hodson Paratype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 8, pl. 2, fig. 6
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21374 *Turritella zuliana palmerae* F. Hodson Holotype
Hodson, F., B.A.P., v. 11, No. 45, 1926, p. 9, pl. 2, figs. 1, 4;
Hodson, F., Hodson H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 80, name changed to feminine ending
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz,* Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 21053 *Typhis alatus* Sowerby Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 132, pl. 10, fig. 15
Toro Cays, Bocas del Toro Prov., Pan. Gatun fm.,
middle Miocene
- 1057 *Typhis alatus obesus* Gabb Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 214, pl. 36, figs. 6, 9
At 11th mi. post on Caparo rd., central Caroni Co., Trinidad,
W. I. Manzanilla fm. Miocene
- 4064 *Typhis (Talityphis) costaricensis* Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 76, pl. 12, figs. 5, 8
Mouth of Quebrada Peñitas, Puntarenas Prov., C. R.
Charco Azul fm., Pliocene
- 3007 *Typhis gracilis* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 271, pl. 36, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 3008 *Typhis gracilis* Conrad Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 271, pl. 36, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 3492 *Typhis harrisi* Olsson Holotype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 8, pl. 2, figs. 7, 9
Upper bed at Alum Bluff, E. side of Apalachicola R., Liberty
Co., Fla. Shoal R. fm., Alum Bluff gr., middle Miocene
- 1055 *Typhis linguiferus* Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 214, pl. 36, fig. 4
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward,
SW. St. Andrew Co., Trinidad, W. I. Machapoorie
fm., Miocene

- 1056 **Typhis linguiferus** Dall Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 214, pl. 36, fig. 5
At 13th mi. post on Guaico-Tamana rd., S. Tamana Ward,
SW. St. Andrew Co., Trinidad, W. I. Machapoorie
fm., Miocene
- 21060 **Typhis linguiferus costaricensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 132, pl. 10, fig. 22, *sic*
linguliferus
Banana R., Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 21061 **Typhis linguiferus costaricensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 132, pl. 10, fig. 29, *sic*
linguliferus
Banana R., Limon Prov., C. R. Gatun fm., middle Mio-
cene
- 24288 **Typhis (Levityphis) thagas** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 58, pl. 12, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 20033 **Umbraculum planulatum** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 461,
pl. 64, fig. 17
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 20034 **Umbraculum planulatum** (Conrad) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 461,
pl. 64, fig. 18
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 306 **Umbrella sylvaerupis** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 10, pl. 1, figs. 17, 17a, 17b
Woods Bluff, Tombigbee R. Clarke Co. Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 10 **Unio cretacollis** Maury Holotype
Maury, B.A.P., v. 3, No. 15, 1902, p. 79, pl. 29, fig. 4
Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N.,
R. 5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
lower Miocene
- Unio-like forms**
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p.
112, pl. 20, fig. 10 (lost prior to 1937)
Near the mouth of Godineau R., E. of Brighton, N. La Brea
Ward, N. central St. Patrick Co., Trinidad, W. I.
Miocene
- 11 **Unio trigoniaformis** Maury Syntype
Maury, B.A.P., v. 3, No. 15, 1902, p. 78, pl. 29, fig. 2
Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N.,
R. 5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
lower Miocene

- 14 **?Unio trigoniaformis** Maury Syntype
 Maury, B.A.P., v. 3, No. 15, 1902, p. 78, pl. 29, fig. 1
 Chalk Hills, $2\frac{3}{4}$ mi. S. of Rosefield, SW. $\frac{1}{4}$ Sec. 7, T. 10 N.,
 R. 5 E., Ouachita R., Ouachita Par., La. Catahoula ss.,
 lower Miocene
- 5907 **Unitrypa casteri** McNair Holotype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 17, pl. 4, fig. 7
 Floresta, lat $5^{\circ} 51' N.$; long $72^{\circ} 53' W.$, on rd. between Santa
 Rosa and Corales, Dept. de Boyaca, Col. Floresta
 series, Middle Devonian
- 5908 **Unitrypa casteri** McNair Paratype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 17, pl. 4, fig. 8
 Floresta, lat $5^{\circ} 51' N.$; long $72^{\circ} 53' W.$, on rd. between Santa
 Rosa and Corales, Dept. de Boyaca, Col. Floresta
 series, Middle Devonian
- 5909 **Unitrypa casteri** McNair Paratype
 McNair, B.A.P., v. 25, No. 93, 1940, p. 17, pl. 4, fig. 9
 Floresta, lat $5^{\circ} 51' N.$; long $72^{\circ} 53' W.$, on rd. between Santa
 Rosa and Corales, Dept. de Boyaca, Col. Floresta
 series, Middle Devonian
- 4783 **Uromitra grantensis** (Johnson) Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 398,
 pl. 56, fig. 12
 Near Montgomery Ldg., lower layer, Red R., Grant Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 25342 **Urosalpinx cinereus** (Say) Hypotype
 Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4,
 1937, p. 25, pl. 4, fig. 3
 Beaufort, Carteret Co., N. C. Recent
- 24791 **Urosalpinx perrugata** (Conrad) Representative specimen
 Perry and Schwengel, 1955, p. 156, pl. 31, fig. 220
 Sanibel, Lee Co., Fla. Recent
- 24903 **Urosalpinx perrugata** (Conrad) Hypotype
 Perry and Schwengel, 1955, p. 156, pl. 50, fig. 341 (egg cap-
 sules and embryonic shell)
 Sanibel, Lee Co., Fla. Recent
- 24792 **Urosalpinx tampaensis** Conrad Representative specimen
 Perry and Schwengel, 1955, p. 157, pl. 31, fig. 221
 Tarpon Bay, Sanibel, Lee Co., Fla. Recent
- 20321 **Urosalpinx trossulus** (Conrad) Hypotype
 Smith, B., P. A., v. 3, No. 21, 1946, p. 14, pl. 1, figs. 21-23
 W. end of Ft. Boykin Bluffs, Burwell Bay, James R., $3\frac{1}{2}$
 statue mi. SE. of Rushmere near Morgarts Beach, Isle of
 Wight Co., Va. Yorktown fm., upper Miocene
- 20322 **Urosalpinx trossulus** (Conrad) Hypotype
 Smith, B., P. A., v. 3, No. 21, 1946, p. 14, pl. 1, fig. 24
 Near Edenhouse Pt., Chowan R., Chowan Co. N. C.
 Yorktown fm., upper Miocene

- 25066 **Utoceras cf. gleneyriense** Ulrich, Foerste, and Miller Hypotype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 509, pl. 60, figs. 1-4
Float well above Harding-Manitou contact, N. of Phantom
Canyon rd., near Canyon City, Fremont Co., Colo.
Middle Ordovician
- 25067 **Utoceras leuromurale** Flower Holotype
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 510, pl. 60, figs. 5-8
Float well above Harding-Manitou contact, N. of Phantom
Canyon rd., near Canyon City, Fremont Co., Colo.
Middle Ordovician
- 21631 **Uvigerina blancacostata**† Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 26, pl. 2, fig. 14
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21715 **Uvigerina byramensis** Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 13, pl. 2, fig. 7
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 22302 **Uvigerina calvertensis** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 348
Camp Wallace, James City Co., Va. Yorktown fm.,
upper Miocene
- 22303 **Uvigerina calvertensis** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 348
Moore House Beach, base of bank on beach, York Co., Va.
Yorktown fm., upper Miocene
- 22304 **Uvigerina calvertensis** Cushman Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 348, pl. 46, figs. 2a, b
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22305 **Uvigerina calvertensis** Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 348
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm., upper Miocene
- 25115 **Uvigerina canariensis spinulosa** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 18, pl. 2, fig. 17
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25140 **Uvigerina canariensis spinulosa** Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 18
Yumuri R. gorge, Matanzas, Matanzas Prov., Cuba.
Oligocene
- 22306 **Uvigerina cf. carmelensis** Cushman and Kleinpell Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 349, pl. 46, fig. 1
Moore House Beach, 4 ft. up bank, York Co., Va.
Yorktown fm. upper Miocene

- 20043 **Uvigerina charltonae** D. K. Palmer Holotype
 Palmer, B.A.P., v. 29, No. 115, 1945, p. 49, pl. 1, figs. 3a, 3b
 Road uphill (to formerly Capt. Baker's house) off of road from
 Bowden P. O. to United Fruit Co. wharf, Port Morant, St.
 Thomas-in-the-East Par., SE. shore of Jamaica, W. I.
 Bowden fm., middle Miocene
- 25432 **Uvigerina coartata** Palmer Holotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
 p. 182, pl. 15, figs. 10, 11; *ibid.*, v. 15, No. 3, 1941, p. 304 [D.K.P.
 slide 191.9-18 (64)]
 Tejar "San Jose", Calzada de Marianao at Calle Jesus Maria,
 Marianao, Habana Prov., Cuba Cojimar fm., Oligocene
 [Miocene, Cole, 1958, p. 222]
 See *Uvigerina compressa* Palmer
- 25432 **Uvigerina compressa** Palmer
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
 p. 304, preoccupied *fide* D. K. Palmer, see *Uvigerina coartata*
 Palmer
- 21657a **Uvigerina elongata** Cole Holotype
 Cole, B.A.P., vol. 14, No. 51, 1927, p. 26, pl. 4, fig. 2
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21657b **Uvigerina elongata** Cole Paratype
 Cole, B.A.P., vol. 14, No. 51, 1927, p. 26, pl. 4, fig. 3
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 21714 **Uvigerina cf. U. gardnerae** Cushman and Applin Hypotype
 Cole, B.A.P., v. 14, No. 53, 1928, p. 13, pl. 2, fig. 5
 Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
 Chapapote fm., upper Eocene
- 25476 **Uvigerina gardnerae cubana** Hadley Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
 p. 304, pl. 30, fig. 4a [D.K.P. slide 191.9-18 (63)]
 NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25477 **Uvigerina gardnerae cubana** Hadley Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
 p. 304, pl. 30, fig. 4b [D.K.P. slide 191.9-18 (63)]
 NW. end of Yumurí Gorge, Matanzas Prov., Cuba
 Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 25478 **Uvigerina gardnerae cubana** Hadley Hypotype
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
 p. 304, pl. 30, fig. 5a [D.K.P. slide 191.9-18 (66)]
 Middle of S. end of deep cut across N. ridge about 1 km. E. of
 Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
 gocene [Miocene, Cole, 1958, p. 222]

- 25479 *Uvigerina gardnerae cubana* Hadley Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 3, 1941,
p. 304, pl. 30, fig. 5b [D.K.P. slide 191.9-18 (66)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oli-
gocene [Miocene, Cole, 1958, p. 222]
- 25109 *Uvigerina gardnerae cubana* Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 19, pl. 2, fig. 12
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 25110 *Uvigerina gardnerae cubana* Hadley Paratypes
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 19
Yumurí R. gorge, Matanzas, Matanzas Prov., Cuba
Oligocene
- 21679 *Uvigerina gladysae* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 27, pl. 5, fig. 11
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 20797 *Uvigerina lodoensis* Martin Paratype
Martin, Stanford Univ., Publ., Univ. Ser., Geol. Sci., v. 3, No.
3, 1943, p. 21, pl. 6, fig. 2; Marks, Micropal., v. 6, No. 4, 1952,
p. 40
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 15+28) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 21677 *Uvigerina pigmae* d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 27, pl. 5, fig. 9 [*pygmaea*]
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25114 *Uvigerina pigmae* d'Orbigny Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 19, pl. 2, fig. 16
[*pygmaea*]
R.R. cut between Nuevitas and Pastelillo, 1½-2 km. N. of
Nuevitas R.R. Sta., Nuevitas Bay, Camagüey Prov., Cuba
upper Eocene
- 25433 *Uvigerina porrecta fimbriata* Sidebottom Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2,
1941, p. 184, pl. 15, fig. 9 [D.K.P. slide 191.9-18 (68)]
NW. end of Yumurí Gorge, Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21633 *Uvigerina rippensis* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 27, pl. 2, fig. 16
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25434 *Uvigerina rustica* Cushman and Edwards Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2,
1941, p. 184, pl. 15, fig. 19 [D.K.P. slide 191.9-18 (65)]

Middle of S. end of deep cut across N. ridge about 1 km. E. of Casa Blanca, Habana Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]

- 25223 *Uvigerina seligi* Cushman Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 32
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of Keyport, Monmouth Co., N. J. (Navesink fm.) Upper Cretaceous
- 22695 *Uvigerina seligi* Cushman Hypotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 186, pl. 14, fig. 10 (S-827)
Bluff along Onion Cr., N. of Austin-Bastrop highway and E. of bridge at Jones' Crossing,* Travis Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 22307 *Uvigerina cf. tenuistriata* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 349, pl. 45, figs. 9a, b
Langley Field excavation, City of Hampton (no Co.), SE. Va. Yorktown fm., upper Miocene
- 22308 *Uvigerina cf. tenuistriata* Cushman Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 349, pl. 46, figs. 3a, b
Moore House Beach, 6 ft. up bank, York Co., Va. Yorktown fm., upper Miocene
- 26132 *Vaginulina costifera* Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 20, pl. 2, fig. 15
Twelve km., W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 20798 *Vaginulina gracilis cretacea* Plummer Holotype
Plummer, Univ. Tex. Bull. 2644, 1927, p. 172, pl. 2, fig. 8; Marks, Micropal., v. 6, No. 4, 1952, p. 40 (not in Walker Museum as indicated on p. 172)
Gully S. of Walker Cr., 6 mi. N. 15° E. of Cameron, Milam Co., Tex. Kemp clay, Navarro gr., Maestrichtian, Upper Cretaceous
See *Vaginulina cretacea* Plummer in Marks, Micropal., v. 6, No. 4, 1952, p. 40
- 25202 *Vaginulina gracilis cretacea* Plummer Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 21
Nutt's Farm, on Crosswick's Cr., 0.6 mi. N. of New Egypt, Ocean Co., N. J. Mt. Laurel fm., Upper Cretaceous
- 21345 *Vaginulina legumen* (Linnaeus) Hypotype
Palmer, B.A.P., v. 10, No. 40, 1923, p. 6, pl. 1, fig. 2
MacDonald Cr., 7 mi. S. Guabito*, lat 9° 25' N.; long 82° 40' W., Bocas del Toro Prov., Pan. Oligocene
- 21649 *Vaginulina legumen elegans* d'Orbigny Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 21, pl. 3, figs. 10, 11
Twelve km., W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene

- 22653 **Vaginulina regina** Plummer Holotype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 162, pl. 10, fig. 22; not in Marks, Micropal., v. 6, No. 4, 1952
 Rt. bank of Little Walnut Cr., N. of bridge along old Austin-Manor rd., 3.9 mi. NE. of East Ave. and Manor Rd., Austin, Travis Co., Tex. Burditt ml., Austin gr., Coniacian-Santonian, Upper Cretaceous
- 20799 **Vaginulina simondsi** Carsey Neotype
 Carsey, Univ. Tex. Bull. 2612, 1926, p. 40, pl. 2, fig. 4; Plummer, Univ. Tex. Bull. 3101, 1931, p. 161, pl. 10, fig. 14; Marks, Micropal., v. 6, No. 4, 1952, p. 40
 Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E. of Cameron, 1 mi. upstream from the intersection of Walker Cr. and Cameron-Clarkson highway, Milam Co., Tex.
 Kemp clay, Navarro gr., Maestrichtian, Upper Cretaceous
- 20800 **Vaginulina simondsi** Carsey Neoparatype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 161, pl. 10, fig. 13; Marks, Micropal., v. 6, No. 4, 1952, p. 40
 Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E. of Cameron, 1 mi. upstream from the intersection of Walker Cr. and Cameron-Clarkson highway, Milam Co., Tex.
 Kemp clay, Navarro gr., Maestrichtian, Upper Cretaceous
- 20801 **Vaginulina simondsi** Carsey Neoparatype
 Plummer, Univ. Tex. Bull. 3101, 1931, p. 161, pl. 10, fig. 15; Marks, Micropal., v. 6, No. 4, 1952, p. 40
 Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 22677 **Vaginulina webbevillensis** Carsey Hypotype
 Plummer, Univ. Tex. Bull. 2644, 1927, p. 39, p. 172, pl. 2, fig. 7 (S-1028; not in Walker Mus. as on p. 172)
 Pit at brick yard of Magnolia Brick Co., 2 mi. S. of Corsicana or about 0.5 mi. S. of Magnolia Refinery on Old Mexia rd., Navarro Co., Tex. Corsicana ml., Navarro gr., Maestrichtian, Upper Cretaceous
- 25201 **Vaginulina webbevillensis** Carsey Hypotype
 Jennings, B.A.P., v. 23, No. 78, 1936, p. 21
 Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co., N. J. Navesink fm., Upper Cretaceous
- 21651 **Vaginulina wrighti** Cole Holotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 21, pl. 3, fig. 13
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal, St. of Vera Cruz, Mex. Guayabal fm., middle Eocene
- 7121 **Vaginulinopsis baggi** McLean Paratype
 McLean, Rept. McLean Foram. Lab., No. 2, 1955, p. 30, p. 21, pl. 6
 Deep well at Crisfield, depth 551 to 760 ft., Somerset Co., Md. Calvert fm., lower middle Miocene

- 7122 **Vaginulinopsis ? crisfieldensis** McLean Paratype
McLean, Rept. McLean Foram. Lab., No. 2, 1955, p. 31, p. 21,
pl. 6
New deep well at Crisfield, depth 802 to 860 ft., Somerset
Co., Md. Wilcox fm.?, lower Eocene?
- 20802 **Vaginulinopsis kellei** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 15, pl. 5, fig. 8; Marks Micropal., v. 6, No. 4, 1952,
p. 40
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15, S., R. 13 E.,
(I-S 10) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20803 **Vaginulinopsis saundersi rex** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 17, pl. 9, fig. 2; Marks Micropal., v. 6, No. 4, 1952,
p. 40
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 9-179) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 20804 **Vaginulinopsis silicula** (Plummer)
Thalmann, Eclogae Geologicae Helvetiae, v. 30, No. 2, 1937,
pp. 348, 349
See *Hemicristellaria silicula* Plummer
- 20806 **Vaginulinopsis verruculosa** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No. 3,
1943, p. 16, pl. 5, fig. 6; Marks, Micropal., v. 6, No. 4, 1952,
p. 40
Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 17A) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene
- 25446 **Valvulineria araucana** (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2, 1941,
p. 191, pl. 15, figs. 15-17 [D.K.P. slide 191.9-18 (52)]
S. end of deep cut across N. ridge about 1 km. E. of Casa
Blanca, Habana Prov., Cuba Cojimar fm., Oligocene
[Miocene, Cole, 1958, p. 222]
- 20807 **Valvulineria asterigerinoides** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 190, pl. 14, fig. 6;
Marks, Micropal., v. 6, No. 4, 1952, p. 40
Grayson Bluff, 2 mi. NE. of Roanoke, Denton Co., Tex.
Grayson fm., Washita gr., Lower Cretaceous
- 25447 **Valvulineria inaequalis** (d'Orbigny) Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 15, No. 2,
1941, p. 191, pl. 16, figs. 3, 4 [D.K.P. slide 191.9-18 (52)]
Middle of S. end of deep cut across N. ridge about 1 km. E. of
Casa Blanca, Habana Prov., Cuba Cojimar fm., Oligo-
cene [Miocene, Cole, 1958, p. 222]
- 25224 **Valvulineria nelsoni** (Berry) Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 32

N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous

- 22334 *Valvulineria washingtoni* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Powell's Lake Spillway, James City Co., Va. Yorktown
fm., upper Miocene
- 22335 *Valvulineria washingtoni* McLean Holotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354, pl. 47, figs. 3a, b
Ft. Eustis Well, depth 37-101 ft., City of Warwick (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22336 *Valvulineria washingtoni* McLean Paratypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 354, pl. 47, fig. 4
Ft. Eustis Well, depth 37-101 ft., City of Warwick, (no Co.),
SE. Va. Yorktown fm., upper Miocene
- 22337 *Valvulineria washingtoni* McLean Paratype
McLean, B.A.P., v. 36, No. 160, 1956, p. 354
Powell's Lake Spillway, *Pedalion maxillata* (bottom bed),
James City Co., Va. Yorktown fm., upper Miocene
- 4729 *Vasum humerosum* Vaughan Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 390,
pl. 51, figs. 10, 11
Lower layer near Montgomery Ldg., Red R., Grant Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 24812 *Vasum muricatum* (Born) Representative specimen
Perry and Schwengel, 1955, p. 171, pl. 36, figs. 240a, b
Cape Sable, Monroe Co., Fla. Recent
- 24115 *Vasum quirosense* F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
p. 41, pl. 23, figs. 2, 3, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 38 *Venericardia alticostata* Conrad "var." Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 57, pl. 4, fig. 12
Matthews Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper
Midway gr., Paleocene
- 137 *Venericardia alticostata* Conrad "var." Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 55, pl. 11, fig. 1
Greggs Ldg., Alabama R., Monroe Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 653 *Venericardia alticostata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 654 *Venericardia alticostata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 2

- Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 656 *Venericardia alticostata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 657 *Venericardia alticostata* Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 2460 *Venericardia alticostata* Conrad Hypotype
Tarr, Elementary Geology, Macmillan Co., 1906, p. 437, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 668 *Venericardia "alticostata"* Conrad "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 84, pl. 31, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 669 *Venericardia "alticostata"* Conrad "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 84, pl. 31, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 670 *Venericardia "alticostata"* Conrad "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 84, pl. 31, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 671 *Venericardia "alticostata"* Conrad "var." Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 84, pl. 31, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- Venericardia alticostata maracensis* Harris Syntypes
Harris Johns Hopkins Univ. Studies in Geol., No. 7, 1926, pl.
18, figs. 16, 17 (lost prior to 1937) (2 specimens)
Marac Quarry, SW. Moruga Ward, S. Victoria Co., Trinidad,
W. I. lower Eocene
- 655 *Venericardia alticostata* Conrad near *transversa* Lea Hypotype
Harris, B.A.B., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 1882 *Venericardia angolae* Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 15,
pl. 5, fig. 3
Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc.
S 1) Quimbriz fm., Eocene [Miocene, Darteville and
Roger, 1954]
- 1883 *Venericardia angolae* Caster Holotype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 15

Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1)
Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]

- 1886 **Venericardia angolae** Caster Paratype
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 15, pl. 5, figs. 6, 7
About 5 km. N. of mouth of Luculo R., S. of Cabeça de Cobra at Quipaya, Angola (loc. S 4) Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 22806 **Venericardia bowdenensis** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49, 1927, p. 49, pl. 29, figs. 6, 9
At signboard on E. side of rd. at fork in rd. to United Fruit Co. pier, Bowden, Port Morant, St. Thomas-in-the-East Par., Jamaica, W. I. middle Miocene
- 4277 **Venericardia carsonensis** Dall "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69, pl. 17, fig. 9a
Red Bluff Station, [Hiwanee Station], Wayne Co., Miss. Red Bluff cl., lower Oligocene
- 1958 **Venericardia charanalensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 47, pl. 3, fig. 6
Quebrada Charanal, W. branch 5 mi. N. of Amotape, Chira Valley, Dept. of Piura, Peru Mirador ss., Mancora fm., middle Oligocene
- 3474 **Venericardia chipolana** Maury Holotype
Maury, B.A.P., v. 4, No. 21, 1910, p. 34, pl. 8, fig. 9
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola fm., Alum Bluff gr., lower Miocene
- 652 **Venericardia (rotunda?) coloradonis** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 81, pl. 29, fig. 9
Smithville, Bastrop Co., Tex. Weches fm., middle Claiborne gr., middle Eocene
- 21247 **Venericardia (Pleuromeris) conradiana limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 217, pl. 26, fig. 19
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 21248 **Venericardia (Pleuromeris) conradiana limonensis** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 217, pl. 26, fig. 20
Port Limon, Limon Prov., C. R. Gatun fm., middle Miocene
- 4268 **Venericardia diversidentata** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69, pl. 17, fig. 1
Jackson, Hinds Co., Miss. Moodys Branch fm., lower Eocene

- 4269 **Venericardia diversidentata** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 2
Town Cr., Jackson, Hinds Co., Miss Moodys Branch
fm., lower Jackson, upper Eocene
- 4270 **Venericardia diversidentata** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 3
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4273 **Venericardia diversidentata** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, figs. 5, 6
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4274 **Venericardia diversidentata** Meyer "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 7
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4275 **Venericardia diversidentata** Meyer "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 8
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4276 **Venericardia diversidentata** Meyer "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 9
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4278 **Venericardia diversidentata** Meyer "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 10
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4279 **Venericardia diversidentata** Meyer "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 11
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- Venericardia diversidentata garlandia** Harris
See *Venericardia diversidentata symmetrica* Dall
- 4280 **Venericardia diversidentata praecisa** Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 70,
pl. 17, figs. 12, 13
Vince Ferry, Saline R., Cleveland Co., Ark. (Not Montgomery,
La. as in expl. of pl.) lower Jackson gr., upper Eocene

- 4281 **Venericardia diversidentata praecisa** Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 70,
pl. 17, fig. 14
Vince Bluff, Saline R., Cleveland Co., Ark. lower
Jackson gr., upper Eocene
- 4282 **Venericardia diversidentata symmetrica** Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 71,
pl. 17, fig. 15 [*V. garlandia nomen nudum*]
Gibson Ldg., Ouachita R., Caldwell Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4283 **Venericardia diversidentata symmetrica** Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 71,
pl. 17, figs. 16, 16a [*V. garlandia nomen nudum*]
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 4284 **Venericardia diversidentata symmetrica** Dall Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 71,
pl. 17, figs. 17, 17a [*V. garlandia nomen nudum*]
Garland Cr., Clarke Co., Miss. lower Jackson gr., upper
Eocene
- 22911 **Venericardia dominica** Weisbord, new name Paratype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 17, pl. 2, fig. 12
Near Piedras de Afilar, Dept. of Atlantico, Col. Mio-
cene
- 22918 **Venericardia dominica** Weisbord, new name Paratype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 17, pl. 3, fig. 10
Near Piedras de Afilar, Dept. of Atlantico, Col.
Miocene
- 22919 **Venericardia dominica** Weisbord, new name Paratype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 17, pl. 3, fig. 11
Near Piedras de Afilar, Dept. of Atlantico, Col.
Miocene
- 22920 **Venericardia dominica** Weisbord, new name Paratype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 17, pl. 4, fig. 1
Near Piedras de Afilar, Dept. of Atlantico, Col.
Miocene
- Venericardia dominica** Weisbord, new name Holotype
Venericardia scabricosta Guppy, Maury, B.A.P., v. 5, No. 29,
1917, p. 198, pl. 33, fig. 1 (not in P.R.I.); not *Venericardia*
scabricosta Guppy, Quart. J. Geol. Sci. London, v. 22, 1866,
p. 293, pl. 18, fig. 10
Dominican Republic middle Miocene
- 1401 **Venericardia eutawcolens** Harris Syntype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 13, pl. 2,
fig. 1 (natural mould and gutta percha cast)
Eutaw Springs, Orangeburg Co., S. C. Santee ls.,
Jackson gr., upper Eocene

- 1402 **Venericardia entawcolens** Harris Syntype
 Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 13, pl. 2,
 fig. 2 (natural mould and gutta percha cast)
 Eutaw Springs, Orangeburg Co., S. C. Santee ls.,
 Jackson gr., upper Eocene
- 14907 **Venericardia granulata** Say Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, 4 ft. up midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 14908 **Venericardia granulata** Say Hypotypes
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of bank lower end of beach, James City
 Co., Va. Yorktown fm., upper Miocene
- 14956 **Venericardia granulata** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, 10 ft. up bank midbeach, James City Co., Va.
 Yorktown fm., upper Miocene
- 14957 **Venericardia granulata** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of bank lower end of beach, James City
 Co., Va. Yorktown fm., upper Miocene
- 14961 **Venericardia granulata** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, 10 ft. up bank upper beach, James City Co.,
 Va. Yorktown fm., upper Miocene
- 14976 **Venericardia granulata** Say Hypotype
 McLean, B.A.P., v. 36, No. 160, 1956, p. 307
 Carter's Grove, base of gravel bed, upper beach, James City
 Co., Va. Yorktown fm., upper Miocene
- 1884 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 2 (missing prior to 1939)
 Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc
 S 1) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1888 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 9
 Mouth of Luculo R., Quimbriz, Angola (loc. S 3)
 Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 1889 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 11
 Cliffs just N. of Luculo R., Quimbriz, Angola (loc. S 1)
 Quimbriz fm., Eocene [Miocene, Darteville and Roger,
 1594]
- 1890 **Venericardia heroyi** Caster Holotype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 13

From mouth of Luculo R., Quimbriz, Angola (loc. S 3)
 Quimbriz fm., Eocene [Miocene, Darteville and Roger, 1954]

- 1891 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 14
 Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc.
 S 1) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1892 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 15
 Just N. of mouth of Luculo R., (green sands), Quimbriz,
 Angola (loc. S 2) Quimbriz fm., Eocene [Miocene,
 Darteville and Roger, 1954]
- 1893 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 16
 Just N. of mouth of Luculo R. (green sands), Quimbriz,
 Angola (loc. S 2) Quimbriz fm., Eocene [Miocene,
 Darteville and Roger, 1954]
- 1894 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13,
 pl. 5, fig. 17
 Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc.
 S 1) Quimbriz fm., Eocene [Miocene, Darteville and
 Roger, 1954]
- 1895 **Venericardia heroyi** Caster Paratype
 Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, p. 13
 "No locality given", Angola Quimbriz fm., Eocene
 [Miocene, Darteville and Roger, 1954]
- 4285 **Venericardia inflatior** Meyer Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 75,
 pl. 17, figs. 18, 18a
 Garland Cr., Clarke Co., Miss. lower Jackson gr.,
 upper Eocene
- 661 **Venericardia natchitoches** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 10
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene
- 663 **Venericardia natchitoches** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 12
 Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
 sd. uppermost Claiborne gr., middle Eocene
- 664 **Venericardia natchitoches** Harris Syntype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 13
 Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
 upper Claiborne gr., middle Eocene

- 665 **Venericardia natchitoches** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 14
Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 666 **Venericardia natchitoches** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 15
Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 667 **Venericardia natchitoches** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 82, pl. 30, fig. 16
Natchitoches, Natchitoches Par., La. Cook Mt. fm.,
upper Claiborne gr., middle Eocene
- 24476 **Venericardia cf. nodifera** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 9
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24477 **Venericardia cf. nodifera** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 10
Ocala Lime Rock Corp., E. of Kendrick, Marion Co., Fla.
"Ocala ls.", Jackson gr., upper Eocene
- 24478 **Venericardia cf. nodifera** Kellum Hypotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 11
Dixie Lime Products Co., Reddick, Marion Co., Fla.
"Ocala ls." Jackson gr., upper Eocene
- 22804 **Venericardia olssoni** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 49, pl. 29, figs. 3, 14
Between La Vela and Tartara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 3545 **Venericardia pacifica** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 30, pl. 6, figs. 3-5
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
- 24145 **Venericardia paraganensis** F. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931, p.
6, pl. 9, figs. 2, 3
Cantaure* Cocodite area, Paraganá Pen., Dist. of Falcón, St.
of Falcón, Ven. lower Miocene
- 673 **Venericardia parva** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 88, pl. 31, fig. 13
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 674 **Venericardia parva** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 88, pl. 31, fig. 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene

- 675 **Venericardia parva** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 88, pl. 31, fig. 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. upeprmost Claiborne gr., middle Eocene
- 676 **Venericardia parva** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 88, pl. 31, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4289 **Venericardia (Pleuromeris) parva** Lea "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 75,
pl. 17, figs. 25, 26
Vince Bluff, Saline R., Cleveland Co., Ark. lower
Jackson gr., upper Eocene
- 4286 **Venericardia (Pleuromeris) parva jacksonensis** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 75,
pl. 17, fig. 19
One mi. below Robinson's Ferry, Sabine R., Sabine Co., Tex.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4287 **Venericardia (Pleuromeris) parva jacksonensis** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 75,
pl. 17, fig. 20
One mi. below Robinson's Ferry, Sabine R., Sabine Co., Tex.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 4288 **Venericardia (Pleuromeris) parva jacksonensis** Meyer Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 75,
pl. 17, fig. 21
One mi. below Robinson's Ferry, Sabine R., Sabine Co., Tex.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 24637 **Venericardia perplana** (Conrad) Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 54, pl. 10, fig. 58; Perry
and Schwengel, 1955, p. 61, pl. 10, fig. 58
Sanibel, Lee Co., Fla. Recent
- 3543 **Venericardia peruviana** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 29, pl. 6, fig. 1
Negritos, Dept. of Piura, Peru Salina fm.,* lower
Eocene
- 130 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 10, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 131 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 10, fig. 2
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 132 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v.2. No. 9, 1897, p. 54, pl. 10, fig. 3
Woods Bluff, Tombigbee R., Clark Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene

- 133 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 10, fig. 5
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 134 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 10, fig. 4
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 156 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 9, fig. 1
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox [Sabine] gr. lower Eocene
- 157 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 9, fig. 3
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 635 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 636 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 638 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 28, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- 639 **Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 28, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd. uppermost Claiborne gr., middle Eocene
- Venericardia planicosta** Lamarck Hypotype
Harris, B.A.P., v. 2, No. 9, 1897, p. 54, pl. 9, fig. 2
(lost prior to 1937)
Bells Ldg., Alabama R., Monroe Co., Ala. middle Wilcox [Sabine] gr., lower Eocene
- Venericardia planicosta** Lamarck Hypotype
Harris, Johns Hopkins Univ. Studies in Geol., No. 7, 1926, p. 99, pl. 18, fig. 15 (lost prior to 1937)
Marac Quarry, SW. Moruga Ward, S. Victoria Co., Trinidad, W. I. lower Eocene
- 4256 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65, pl. 15, fig. 1
Crow Cr., St. Francis Co., Ark. lower Jackson gr., upper Eocene

- 4257 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, fig. 2
Crow Cr., St. Francis Co., Ark. lower Jackson gr.,
upper Eocene
- 4258 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, figs. 3, 4
Moodys Branch, Jackson, Hinds Co., Miss. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4259 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, figs. 5, 6
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4260 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, fig. 7
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4261 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, figs. 8, 9
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 4262 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 15, figs. 10, 11
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4263 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 16, figs. 1, 2
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4264 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 16, figs. 3, 4
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4265 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 16, figs. 5, 6
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene
- 4267 **Venericardia planicosta** Lamarck "var." Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 65,
pl. 16, fig. 9
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moodys Branch fm., lower Jackson gr., upper Eocene

- 631 **Venericardia planicosta "densata"** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 1
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 632 **Venericardia planicosta "densata"** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 2
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 633 **Venericardia planicosta "densata"** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 3
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 637 **Venericardia planicosta "densata"** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 1a
Probably Lisbon, Alabama R., Monroe Co., Ala.
Claiborne gr., middle Eocene
- 640 **Venericardia planicosta gamma** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 28, fig. 3; pl. 29,
fig. 1
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 4266 **Venericardia planicosta klimacodes** Gardner and Bowles
Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 67,
pl. 16, figs. 7, 8
Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
Moody's Branch fm., lower Jackson gr., upper Eocene
- 3856 **Venericardia planicosta labreaensis** Olsson Paratype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 7, pl. 3, fig. 1
La Brea, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 3857 **Venericardia planicosta labreaensis** Olsson Holotype
Olsson B.A.P., v. 15, No. 57, 1929, p. 7, pl. 3, fig. 2
La Brea, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 634 **Venericardia planicosta mooreana** Conrad Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 77, pl. 27, fig. 4
Smithville, Bastrop Co., Tex. Weches fm., middle Clai-
borne gr., middle Eocene
- 3538 **Venericardia planicosta negritensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 26, pl. 5, fig. 1
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene
- 3539 **Venericardia planicosta negritensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 26, pl. 5, fig. 2
Negritos, Dept. of Piura, Peru Negritos fm.,* Paleo-
cene

- 24475 **Venericardia planicosta ocalaedes** Harris Holotype
Harris, B.A.P., v. 33, No. 138, 1951, p. 16, pl. 7, fig. 8
Georgia Lime Rock quarry about 4 mi. from Perry, Houston
Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 3540 **Venericardia planicosta parinensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 26, pl. 5, fig. 3
Keswick Hills, 4 mi. E. of Punta Parinas, Dept. of Piura,
Peru Parinas fm., middle Eocene
- 3544 **Venericardia planicosta restinensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 27, pl. 6, fig. 2
Pozo Valley, near Lagunitos,* Dept. of Piura, Peru
Restin fm., middle Eocene
- 3541 **Venericardia planicosta samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 28, pl. 5, fig. 4
Quebrada Salado, about 10 mi. NE. of Talara, Dept. of Piura,
Peru Restin fm., middle Eocene
- 3542 **Venericardia planicosta samanensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 28, pl. 5, fig. 5
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3546 **Venericardia planicosta samanensis** Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 28, pl. 6, fig. 6
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 24155 **Venericardia planicosta samanensis** Olsson Hypotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 21, pl. 1, fig. 1
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 22808 **Venericardia quirosana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29 fig. 8
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*,
Dist. of Miranda, St. of Zulia, Ven. upper Oligocene
- 22810 **Venericardia quirosana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, fig. 12
On trail between Baragua and Carora SW. of San Cristobal,
Dist. of Torres, St. of Lara, Ven. Oligocene-Miocene
- 22811 **Venericardia quirosana** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, fig. 13
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 22809 **Venericardia quirosana venezuelana** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 48, pl. 29, fig. 11
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene

- 647 **Venericardia rotunda** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 78, pl. 29, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 648 **Venericardia rotunda** Lea Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 78, pl. 29, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 4271 **Venericardia rotunda** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, fig. 4
Gosport, Alabama R., Clarke Co., Ala. Gosport sd.,
uppermost Claiborne gr., middle Eocene
- 4272 **Venericardia rotunda** Lea Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 69,
pl. 17, figs. 5a, 6a
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 651 **Venericardia rotunda flabellum** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 80, pl. 29, fig. 8
Smithville, Bastrop Co., Tex. Weches fm. middle
Claiborne gr., middle Eocene
- 641 **Venericardia rotunda fungina** Harris Syntype
Harris B.A.P., v. 6, No. 31, 1919, p. 79, pl. 28, fig. 4
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 342 **Venericardia rotunda fungina** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 79, pl. 28, fig. 5
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 645 **Venericardia rotunda fungina** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 79, pl. 29, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 643 **Venericardia rotunda funiculus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 79, pl. 28, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 644 **Venericardia rotunda funiculus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 79, pl. 28, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 646 **Venericardia rotunda funiculus** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 79, pl. 29, fig. 3
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 649 **Venericardia rotunda** Lea near **trapaquara** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 80, pl. 29, fig. 6
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 650 **Venericardia rotunda** Lea near **trapaquara** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 80, pl. 29, fig. 7
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper
Claiborne gr., middle Eocene
- 21331 **Venericardia scabricostata** (Guppy) Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 216, pl. 32, fig. 14
E. Grape Point Creek, Limon Prov., C. R. Gatun fm.,
middle Miocene
- 21334 **Venericardia scabricostata** (Guppy) Hypotype
Olsson B.A.P., v. 9, No. 39, 1922, p. 216, pl. 32, fig. 17
Comadre Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 3485 **Venericardia (Pleuromeris) scituloides** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 20, pl. 1, fig. 3
Upper bed at Alum Bluff, E. side of Apalachicola R., Liberty
Co., Fla. Shoal R. fm., Alum Bluff gr., middle Miocene
- 3486 **Venericardia (Pleuromeris) scituloides** Olsson Syntype
Olsson, B.A.P., v. 5, No. 24, 1914, p. 20, pl. 1, fig. 4
Upper bed at Alum Bluff, E. side of Apalachicola R., Liberty
Co., Fla. Shoal R. fm., Alum Bluff gr., middle Miocene
- 24164 **Venericardia simillina** Olsson Holotype
Olsson B.A.P., v. 17, No. 62, p. 21, pl. 2, fig. 3
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 20151 **Venericardia** sp. Figured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1655, pl. 7, fig. 5
Quebrada El Mene 1900 m. upstream from its junction with
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Mito
Juan fm., Upper Cretaceous
- 20151a **Venericardia** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1655
Quebrada El Mene 1900 m. upstream from its junction with
Río Negro, Dist. of Perijá, St. of Zulia, Ven. Mito
Juan fm., Upper Cretaceous
- 20220 **Venericardia** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Punta Benitez No. 131, depth 3156-3168 ft., Bolívar
Coastal Field, Dist. of Bolívar, St. of Zulia, Ven.
La Rosa fm., lower Miocene
- 3859 **Venericardia talara** Olsson Holotype
Olsson, B.A.P., v. 15, No. 57, 1929, p. 8, pl. 3, figs. 4, 5
Negritos, Dept. of Piura, Peru Restin fm. middle
Eocene

- 20148 **Venericardia** sp. "cf. *V. tethys*" Hypotype
Sutton A.A.P.G., v. 30, No. 10, 1946, pp. 1641-1648
S. bank of Río La Ge about 40 m. upstream from Eocene
overlap of La Sierra fm., Dist. of Perijá, St. of Zulia, Ven.
Cogollo gr., Middle Cretaceous
- 21329 **Venericardia terryi** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 216, pl. 32, fig. 12
Quitana Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 21330 **Venericardia terryi** Olsson Syntype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 216, pl. 32, fig. 13
Quitana Creek, Limon Prov., C. R. Gatun fm., middle
Miocene
- 22916 **Venericardia terryi** Olsson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 18, pl. 3, fig. 7
(missing in 1937)
Costa Rica Miocene
- 22917 **Venericardia terryi** Olsson Hypotype
Weisbord, B.A.P., v. 14, No. 54, 1929, p. 18, pl. 3, figs. 8, 9
Near Tubera, or Usiacura, Dept. of Atlantico Col. Mio-
cene
- 987 **Venericardia terryi brassica** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 171, pl. 30, fig. 5
Brasso, Montserrat Ward, SE. Caroni Co., Trinidad, W. I.
Brasso fm., Miocene
- 20140 **Venericardia (Venericor) toasensis** Dusenbury Paratype
Dusenbury in Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1739
Río Cachiri, 420 m. downstream from mouth of Caño Grande,
Dist. of Maracaibo, St. of Zulia, Ven. Guasare fm.,
upper Paleocene
- 20155 **Venericardia (Venericor) toasensis** Dusenbury Holotype
Dusenbury in Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1739
(appendix), pl. 7, fig. 8
Six hundred ft. NW. of Las Playitas village, N. shore of
Toas I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of
Zulia, Ven. Guasare fm., upper Paleocene
- 20155a **Venericardia (Venericor) toasensis** Dusenbury Paratype
Dusenbury in Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1739
(appendix), pl. 7, fig. 4
Six hundred ft. NW. of Las Playitas village, N. shore of Toas
I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia,
Ven. Guasare fm., upper Paleocene
- 21055b **Venericardia (Venericor) toasensis** Dusenbury Paratype
Dusenbury in Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1739
(appendix)
Six hundred ft. NW. of Las Playitas village, N. shore of Toas
I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia
Ven. Guasare fm., upper Paleocene

- 21055c **Venericardia (Venericor) toasensis** Dusenbury Paratype
Dusenbury in Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1739 (hinge)
Six hundred ft. NW. of Las Playitas village, N. shore of Toas I., Tablazo Bay, Lake Maracaibo, Dist. of Mara, St. of Zulia, Ven. Guasare fm., upper Paleocene
- 672 **Venericardia (Pleuromeris) tortidens** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 87, pl. 31, figs. 12, 12b (not *V. toridens* as on expl. of pl.); Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 74, pl. 17, figs. 28, 29 (not 672a as in expl. of pl.)
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 672a **Venericardia (Pleuromeris) tortidens** Harris Syntype
Harris, B.A.P., v. 6, No. 31, 1919, p. 87, pl. 31, fig. 12a (not *V. toridens* as on expl. of pl.); Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 74, pl. 17, figs. 24, 27 (not 672 as in expl. of pl.)
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 658 **Venericardia trapaquara** Harris "near *carsonensis*" Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 81, pl. 30, fig. 6
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 659 **Venericardia trapaquara** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 81, pl. 30, fig. 7
Clear Lake, Natchitoches Par., La. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 660 **Venericardia trapaquara** Harris Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 81, pl. 30, fig. 9
Wautubbee, Clarke Co., Miss. Cook Mt. fm., upper Claiborne gr., middle Eocene
- 24636 **Venericardia tridentata** Say Hypotype
Perry, B.A.P., v. 26, No. 95, 1940, p. 53, pl. 10, fig. 57; Perry and Schwengel, 1955, p. 60, pl. 10, fig. 57
Sanibel, Lee Co., Fla. Recent
- 988 **Venericardia trinidadensis** Maury Holotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 171, pl. 30, fig. 6
Brasso Venada Ravine, 3 mi. E. of Brasso station, E. Montserrat Ward, SE. Caroni Co., Trinidad, W. I. Brasso fm., Miocene
- 3739 **Venericardia weberbaueri** Olsson Holotype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 44, pl. 6, fig. 3
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru Monte Grande fm., Maestrichtian
- 3741 **Venericardia weberbaueri** Olsson Paratype
Olsson, B.A.P., v. 20, No. 69, 1934, p. 44, pl. 6, fig. 5
Monte Grande, lat 4° 28' S.; long 81° 4' W., Dept. of Piura, Peru Monte Grande fm., Maestrichtian

- 662 **Venericardia wilcoxensis** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 85, pl. 30, fig. 11
Matthew's Ldg., 9 mi. W. of Camden, Sec. 12, T. 12 N., R. 6 E.,
Alabama R., Wilcox Co., Ala. Naheola fm., upper Mid-
way gr., Paleocene
- 20308 **Venericardia zuliana** F. Hodson Hypotype
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1696
Well Icotea No. 2, depth 2000-2020 ft., Bolivar Coastal Field,
Dist. of Bolivar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 22801 **Venericardia zuliana** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 46, pl. 28, figs. 5, 11
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. Oligocene
- 21994 **Venericardia zuliana** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 46, pl. 28, figs. 1, 3
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. Oligocene
- 21989 **Venericardia zuliana maracaibensis** Williston in F. Hodson, H. K.
Hodson, and Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 26, fig. 3
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 21991 **Venericardia zuliana maracaibensis** Williston in F. Hodson, H. K.
Hodson, and Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 26, fig. 5
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 22802 **Venericardia zuliana maracaibensis** Williston in F. Hodson, H. K.
Hodson, and Harris Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, fig. 1
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 22807 **Venericardia zuliana maracaibensis** Williston in Hodson, F.,
Hodson, H. K., and Harris Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, figs. 7, 10
Between La Vela and Taratara, Dist. of Colina, St. of Falcón,
Ven. Miocene
- 22803 **Venericardia zuliana weeksi** F. Hodson Paratype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, fig. 2
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene

- 22805 **Venericardia zuliana weeksi** F. Hodson Holotype
Hodson, F., Hodson, H. K., and Harris, B.A.P., v. 13, No. 49,
1927, p. 47, pl. 29, figs. 4, 5
Oil seep at El Mene de Saladillo, 1.5 km. SW. of Quiroz*, Dist.
of Miranda, St. of Zulia, Ven. upper Oligocene
- 8 **Veniella** sp. Figured specimen
Harris, La. Geol. Surv. Rpt., 1899, p. 295, pl. 50, fig. 8
Rayburn's Salt Works, Sec. 24, T. 15 N., R. 5 W., 10 mi. SE.
of Bienville, Bienville Par., La. Upper Cretaceous
- 20808 **Ventilabrella carseyae** Plummer Holotype
Plummer, Univ. Tex. Bull. 3101, 1931, p. 178, pl. 9, fig. 8;
Marks, Micropal., v. 6, No. 4, 1952, p. 40
Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E. of
Cameron, 1 mi. upstream from the intersection of Walker Cr.
and Cameron-Clarkson highway, Milam Co., Tex. Kemp
clay, Navarro gr., Maestrichtian, Upper Cretaceous
- 20809- **Ventilabrella carseyae** Plummer Paratypes
20810 Plummer, Univ. Tex. Bull. 3101, 1931, p. 178, pl. 9, figs. 7, 9;
Marks, Micropal., v. 6, No. 4, 1952, p. 40
Bank of Walker Cr., 2 mi. E. of Ben Arnold, 6 mi. N. 15° E. of
Cameron, 1 mi. upstream from the intersection of Walker Cr.
and Cameron-Clarkson highway, Milam Co., Tex. Kemp
clay, Navarro gr., Maestrichtian, Upper Cretaceous
- 25215 **Ventilabrella carseyae** Plummer Hypotype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 28
N. of New Egypt, Ocean Co., N. J. (Mt. Laurel fm.) or S. of
Keyport, Monmouth Co., N. J. (Navesink fm.) Upper
Cretaceous
- 1727 **Venus alumbuffensis** Palmer Holotype
Palmer, P.A., v. 1, No. 5, March, 1927, p. 193; 1929, pl. 34, figs.
4, 7; p. 216
Alum Bluff, E. side of Apalachicola R., Liberty Co., Fla.
Alum Bluff gr., lower-middle Miocene
= *V. nannodes* Gardner, U. S. G. S. Prof. Paper No. 142-D,
1926, p. 175, pl. 28, figs. 6, 7
- 1724 **Venus campechiensis** Gmelin Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 187, pl. 34, fig. 1
Beaufort, Carteret Co., N. C. Recent
- 1728 **Venus campechiensis** Gmelin Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 187, pl. 34, figs. 5, 6
Beaufort, Carteret Co., N. C. Recent
- 1725 **Venus campechiensis cuneata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 188, pl. 34, fig. 2
Jones Wharf, St. Marys Co., Md. Choptank fm., lower
middle Miocene
- 1726 **Venus campechiensis cuneata** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 188, pl. 34, fig. 3
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene

- 1720 **Venus campechiensis mortoni** Conrad Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 189, pl. 32, fig. 8
New Orleans pumping station No. 7, Orleans Par., La.
Pleistocene
- 1731 **Venus campechiensis tetrica** Conrad Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 189, pl. 35, figs. 6, 8
St. Marys City, St. Marys Co., Md. St. Marys fm.,
middle Miocene
- 1742 **Venus langdoni** Dall Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 193, pl. 36, fig. 24
Bailey's Ferry, Chipola R., Calhoun Co., Fla. Chipola
fm., Alum Bluff gr., lower Miocene
- 1718 **Venus mercenaria** Linnaeus Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 184, pl. 32, fig. 4
Beaufort, Carteret Co., N. C. Recent
- 1719 **Venus mercenaria** Linnaeus "var." Verrill Hypotype
Federal Reserve Club Mag., Jan. 1923, p. 4, fig.; Palmer,
Science, v. 57, No. 1481, 1923, p. 585; Palmer, P. A., v. 1, No. 5,
1929, p. 184, pl. 32, fig. 6
Excavation for Federal Reserve Bank between Nassau, Liberty,
and William Streets and Maiden Lane, N. Y., N. Y.
Pleistocene
- 25330 **Venus mercenaria** Linnaeus Hypotype
Palmer, E. L., Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 24, pl. 2, fig. 7
Beach, Inlet Hotel, Beaufort, Carteret Co., N. C. Recent
- 1729 **Venus mississippiensis** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 183, pl. 35, figs. 2, 10
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1730 **Venus mississippiensis** (Conrad) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 183, pl. 35, fig. 4
Vicksburg, Warren Co., Miss. Vicksburg gr., middle
Oligocene
- 1723 **Venus tridacnoides** (Lamarck) s. s. Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 191, pl. 33, fig. 6
Petersburg, Dinwiddie Co., Va. "Murfreeshoro fm."
[Yorktown fm.], upper Miocene
- 14996 **Venus (Mercenaria) tridacnoides** (Lamarck) Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Moore House Beach, 4½ ft., up bank, York Co., Va.
Yorktown fm., upper Miocene
- 1721 **Venus tridacnoides** (Lamarck) (rileyi) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 191, pl. 33, fig. 1
Yorktown, York Co., Va. Yorktown fm., upper Miocene

- 1722 **Venus tridacnoides** (Lamarck) (rileyi) Hypotype
Palmer, P. A., v. 1, No. 5, 1929, p. 191, pl. 33, fig. 3
Yorktown, York Co., Va. Yorktown fm., upper Miocene
- 14914 **"Venus" tridacnoides rileyi** Conrad Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City
Co., Va. Yorktown fm., upper Miocene
- 3098 **Verconella bella** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 320, pl. 45, figs. 11, 15
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3099 **Verconella bella** (Conrad) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 320, pl. 45, fig. 12
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3093 **Verconella bella leai** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 322, pl. 45, fig. 6
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3094 **Verconella bella leai** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 322, pl. 45, fig. 7
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3095 **Verconella bella leai** Palmer Syntype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 322, pl. 45, fig. 16
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3096 **Verconella crebrissima** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 319, pl. 45, fig. 10 sp.
corrected in Errata
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3097 **Verconella crebrissima** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 319, pl. 45, fig. 14 sp.
corrected in Errata
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3089 **Verconella delabechii** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 319, pl. 45, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3090 **Verconella delabechii** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 319, pl. 45, fig. 2
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3091 **Verconella delabechii** (Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 319, pl. 45, fig. 8
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene

- 4709 **"Verconella" penrosei** Palmer Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 368,
pl. 49, fig. 11
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 24757 **Vermicularia fargoi** Olsson Representative specimen
Perry and Schwengel, 1955, p. 137, pl. 26, fig. 184
Four -six fm. off Sanibel, Lee Co., Fla. Recent
- 24756 **Vermicularia knorri** (Deshayes in Lamarck)
Representative specimen
Perry and Schwengel, 1955, p. 136, pl. 26, fig. 183
Found on beach in sponge, Sanibel, Lee Co., Fla. Recent
- 1077 **Vermicularia cf. radicula** (Stimpson) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 228, pl. 41, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres Park
sugar mill, near Savaneta ["Savonetta"], Montserrat Ward,
SE. Caroni Co., Trinidad, W. I. Springvale fm., upper
Miocene
- 1089 **Vermicularia spirata** (Philippi) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 227, pl. 41, fig. 13
Florida Recent
- 25331 **Vermicularia spirata** (Philippi) Hypotype
Palmer, E. L. Cornell Rural School Leaflet, v. 30, No. 4, 1937,
p. 25, pl. 3, fig. 3
Casa Ybel, Sanibel I., Lee Co., Fla. Recent
- 1082 **Vermicularia spirata trilineata** (Guppy) Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 228, pl. 41, fig. 6
Matura, E. Matura Ward, NE. St. Andrew Co., Trinidad, W. I.
Matura fm., Pliocene
- 25180 **Verneuilina kurti** Jennings Paratype
Jennings, B.A.P., v. 23, No. 78, 1936, p. 12
Crawford's Corner, about 5 mi. S. of Keyport, Monmouth Co.,
N. J. Navesink fm., Upper Cretaceous
- 25377 **Verneuilina cf. mexicana** Nuttall Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
p. 117, pl. 17, fig. 9 [D.K.P. slide 191.9-24 (2)]
Along Ferrocarril Cubano Hershey, about 2 km. SW. of Coji-
mar, Habana Prov., Cuba Cojimar fm., Oligocene [Mio-
cene, Cole, 1958, p. 222]
- 21640 **Verneuilina palmerae** Cole Holotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 12, pl. 2, fig. 30
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 21668 **Verneuilina aff. triquetra** (Munster) Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 12, pl. 4, fig. 18
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
abal, St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene

- 25388 **Vertebralina** sp. Figured specimen
 Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 2, 1940,
 p. 125, pl. 17, fig. 17 [D.K.P. slide 191.9-18 (3)]
 Quarry above Club de la Reserva Militar on Río Almendares,
 Reparto Kohly, Marianao, Habana Prov., Cuba Coji-
 mar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 5814 **Verticoceras tullium** Flower Holotype
 Flower, P. A., v. 2, No. 9, 1938, p. 60, pl. 4, figs. 14, 15
 Borodino, Onondaga Co., N. Y. Tully ls., upper Middle
 Devonian
- 4396 **Verticordia (Trigonulina) dalliana** Aldrich Hypotype
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 112,
 pl. 23, fig. 26
 Bunker Hill Ldg., Ouachita R., Caldwell Par., La.
 Moodys Branch fm., lower Jackson gr., upper Eocene
- 1268 **Verticordia eocensis** Langdon Hypotype
 (4395) Harris, B.A.P., v. 6, No. 31, 1919, p. 182, pl. 55, fig. 13; Harris
 and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 111, pl. 23,
 fig. 24 Gosport
 Claiborne Bluff, Alabama R., Monroe Co., Ala. sd., uppermost Claiborne gr., middle Eocene
- 1269 **Verticordia eocensis** Langdon "var." Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 182, pl. 55, fig. 15
 Sabine R., Outerop 21, Tex. side opposite SW. corner SE. $\frac{1}{4}$
 Sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (see Veatch Survey,
 1902, p. 129) Stone City beds, middle Claiborne gr.,
 middle Eocene (see Stenzel, Krause, and Twining, 1957, p. 66)
- 1270 **Verticordia eocensis** Langdon "var." Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 182, pl. 55, fig. 16
 Hickory, Newton Co., Miss. Cook Mt. fm., upper Clai-
 borne gr., middle Eocene
- Verticordia** sp. Figured specimen
 Harris, B.A.P., v. 1, No. 4, 1896, p. 71, pl. 6, fig. 16 (lost prior
 to 1937)
 One mi. W. of Oak Hill P. O., Wilcox Co., Ala. Naheola
 fm., upper Midway gr., Paleocene
- 24310 **Verticumbo charybdis** Berry Paratype
 Berry, B.A.P., v. 25, No. 94A, 1940, p. 8
 Timm's Pt., San Pedro, Los Angeles Co., Calif. Timm's
 Pt. fm., lower Pleistocene
 Type species of *Verticumbo* Berry, 1940
- 1962 **Vesicomya ramondi** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 55, pl. 4, fig. 3
 Pabo, 5-6 mi. SE. Lagunitos*, Dept. of Piura, Peru
 Heath fm., upper Oligocene
- 1965 **Vesicomya tseudi** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 54, pl. 4, fig. 6
 Pabo, 5-6 mi. SE. Lagunitos*, Dept. of Piura, Peru
 Heath fm., upper Oligocene

- 1967 **Vesicomya tseudi** Olsson Paratype
Olsson, B.A.P., v. 17, No. 63, 1931, p. 54, pl. 4, fig. 8
Pabo, 5-6 mi. SE. Lagunitos*, Dept of Piura, Peru
Heath fm., upper Oligocene
- 3245 **Vexillum (Uromitra) exile** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 403, pl. 66, fig. 2
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3246 **Vexillum (Uromitra) exile** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 403, pl. 66, fig. 3
Little Brazos R., 2½ mi. above Stone City, Brazos Co., Tex.
Cook Mt. fm., upper Claiborne gr., middle Eocene
(Stenzel, 1939, p. 854)
- 3253 **Vexillum (Uromitra) gracile** (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 402, pl. 66, fig. 1
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 3254 **Vexillum (Uromitra) gracile** (H. C. Lea) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 402, pl. 66, figs. 13, 14
Claiborne Bluff, Alabama R., Monroe Co., Ala. Gosport
sd., uppermost Claiborne gr., middle Eocene
- 20287 **Vexillum** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well La Rosa No. 43, depth 2453-2457 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulía, Ven. La Rosa fm., lower
Miocene
- 5868 **Virgoceras cancellatum** Flower Holotype
Flower, P. A., v. 2, No. 10, 1939, p. 162, pl. 8, fig. 14
Westport, Decatur Co., Ind. Laurel ls., Clinton gr.,
Middle Silurian
- 25418 **Virgulina fusiformis yumuriana** Palmer Holotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 296, pl. 52, fig. 14 [D. K. P. slide 191.9-18 (59)]
Tejar "Zayas" about .25 km. N. of Carretera Central just E. of
junc. with Corral Nueva-Matanzas rd., Matanzas Prov., Cuba
Cojimar fm., Oligocene [Miocene, Cole, 1958, p. 222]
- 21682 **Virgulina mexicana** Cole Hypotype
Cole, B.A.P., v. 14, No. 51, 1927, p. 25, pl. 5, fig. 14
Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guayabal,
St. of Vera Cruz, Mex. Guayabal fm., middle
Eocene
- 25419 **Virgulina cf. pontoni** Cushman Hypotype
Palmer, D. K., Mem. Soc. Cubana Hist. Nat., v. 14, No. 4, 1940,
p. 297, pl. 52, fig. 12 [D.K.P. slide 191.9-18 (79)]
W. of Cojimar, 1.5-2.5 km. on rd. to Casa Blanca, Habana Prov.,
Cuba Cojimar fm., Oligocene [Miocene, Cole, 1958, p.
222]

- 22295 ***Virgulina punctata*** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 346, pl. 45, figs. 1a-c
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 22296 ***Virgulina punctata*** d'Orbigny Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 346, pl. 45, figs. 12a, b
(lost after figured)
Carter's Grove, base of bank, James City Co., Va.
Yorktown fm., upper Miocene
- 2654 ***Vitrinella* cf. *laevis*** (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 55, pl. 2, figs. 10, 11
Newcastle, S. side Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U.S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 2655 ***Vitrinella* cf. *laevis*** (Meyer) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 55, pl. 2, fig. 12
Newcastle, S. side Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on U.S.
360, Hanover Co., Va. Nanjemoy fm., lower Eocene
- 1400 ***"Vitrinella"* *virginiensis*** (Van Winkle) Holotype
Van Winkle and Harris, B.A.P., v. 8, No. 33, 1919, p. 9, pl. 1,
fig. 13; Palmer, B.A.P., v. 7, No. 32, 1937, p. 55, pl. 2, fig. 9
Newcastle, S. side of Pamunkey R., $\frac{3}{4}$ -1 mi. E. of bridge on
U.S. 360, Hanover Co., Va. Nanjemoy fm., lower Eocene
See ?*Adeorbis virginiensis* Van Winkle
- 20481 ***Vitularia ecuadorana*** Marks Holotype
Marks, B.A.P., v. 33, No. 139, 1951, p. 119, pl. 8, fig. 12
Near Pedro Carbo, S. Daule Basin, Guayas Prov., W. Ecua.
Daule fm., middle Miocene
- 5460 **?*Vitulina* sp.** Figured specimen
Caster, B.A.P., v. 24, No. 1939, p. 142, pl. 7, figs. 30, 31; pl.
13, fig. 23 (missing prior to 1956)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 21777 **?*Vitulina venezulensis*** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 5, fig. 9
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulía, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21778 **?*Vitulina venezuelensis*** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 5, fig. 10
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulía, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21779 **?*Vitulina venezuelensis*** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 5, fig. 11
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulía, Ven. Caño Grande fm., Lower-Middle
Devonian

- 21780 **?Vitulina venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 5, fig. 12
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 21781 **?Vitulina venezuelensis** Weisbord Syntype
Weisbord, B.A.P., v. 11, No. 46, 1926, p. 22, pl. 5, fig. 13
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 1343- **Vokesula smithvillensis** (Harris) Hypotypes
1348 Stenzel and Twining in Stenzel, Krause, and Twining, 1957, p.
174
See *Corbula smithvillensis* Harris in part
- 1341, **Vokesula smithvillensis petropolitana** Stenzel and Twining Hypotypes
- 1342 Stenzel, Krause, and Twining, 1957, p. 176
See *Corbula smithvillensis* Harris in part
- 4863 **Volcella cerva** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 37, pl. 17, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Maestrichtian
- 21008 **Voluta alfaroi** Dall Hypotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 99, pl. 8, fig. 2
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 261 **Voluta clarae** Harris Holotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 34, pl. 4, fig. 2
Hatchetigbee Bluff, Tombigbee R., NE. Washington Co., Ala.
upper Wilcox [Sabine] gr., lower Eocene
- 98 **Voluta florencis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 82, pl. 8, fig. 6
R.R. cut, 1½ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 99 **Voluta florencis** Harris Syntype
Harris, B.A.P., v. 1, No. 4, 1896, p. 82, pl. 8, fig. 6a
R.R. cut, 1½ mi. NE. of Clayton, Barbour Co., Ala.
Clayton fm., lower Midway gr., Paleocene
- 4956 **Voluta inca** Olsson Holotype
Olsson, B.A.P., v. 28, No. 111, 1944, p. 103, pl. 9, fig. 8
Tortuga, coast of Paita Pen., Dept. of Piura, Peru
Baculites zone, Maestrichtian
- 3695 **Voluta (Peruluta) mancorensis** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 92, pl. 22, fig. 1
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene

- 3696 *Voluta (Peruluta) mancorensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 92, pl. 22, fig. 2
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 3697 *Voluta (Peruluta) mancorensis* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 92, pl. 22, fig. 3
Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Saman fm., upper Eocene
- 263 *Voluta newcombiana* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 35, pl. 4, fig. 4a
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- Voluta newcombiana* Whitfield Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 35, pl. 4, fig. 4 (lost prior
to 1937)
Locality unknown Wilcox gr., lower Eocene
- 24227 *Voluta paytanica* Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 44, pl. 6, figs. 1, 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3653 *Voluta (Peruluta) peruviana samanica* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 91, pl. 16, fig. 8
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3698 *Voluta (Peruluta) peruviana samanica* Olsson Paratype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 91, pl. 22, fig. 4
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 3699 *Voluta (Peruluta) peruviana samanica* Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 91, pl. 22, fig. 5
Near Negritos, Dept. of Piura, Peru Talara fm., lower
upper Eocene
- 262 *Voluta* sp. Figured specimen
Harris, B.A.P., v. 3, No. 11, 1899, p. 35, pl. 4, fig. 3
Yellow Bluff, Alabama R., Wilcox Co., Ala. middle or
upper Wilcox [Sabine] gr., lower Eocene
- Volutilithes limopsis* Conrad Hypotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 84, pl. 8, fig. 3; Harris in
Dana, Manual of Geology, 4th ed., 1895, p. 896, fig. 1478 (lost
prior to 1937)
Exact locality not designated Midway gr., Paleocene
- 260 *Volutilithes petrosus* (Conrad) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 33, pl. 4, fig. 1
Woods Bluff, Tombigbee R., Clarke Co., Ala. middle
Wilcox [Sabine] gr., lower Eocene
- 97 *Volutilithes quercollis* Harris Holotype
Harris, B.A.P., v. 1, No. 4, 1896, p. 85, pl. 8, fig. 4

Dale's Branch, Wilcox Co., Ala.
Midway gr., Paleocene

Naheola fm., upper

***Volutilithes rugatus* Conrad**

Hypotype

Harris, B.A.P., v. 1, No. 4, 1896, p. 83, pl. 8, fig. 1; Harris, Dana, Manual of Geology, 4th ed., 1895, p. 896, fig. 1477 (lost prior to 1937)

Exact locality not designated

Midway gr., Paleocene

4955 ***Volutocorbis meridionalis* Olsson**

Holotype

Olsson, B.A.P., v. 28, No. 111, 1944, p. 102, pl. 9, fig. 14

Tortuga, coast of Paita Pen., Dept. of Piura, Peru

Baculites zone, Maestrichtian

3232 ***Volvaria alabamiensis* Cossmann**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 412, pl. 65, figs. 1, 7

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost Claiborne gr., middle Eocene

3233 ***Volvaria reticulata* Johnson**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 413, pl. 65, fig. 5

Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.

Cook Mt. fm., upper Claiborne gr., middle Eocene

3234 ***Volvaria reticulata* Johnson**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 413, pl. 65, fig. 11

Lapiniere Ldg., E. bank Ouachita R., Ouachita Par., La.

Cook Mt. fm., upper Claiborne gr., middle Eocene

3231 ***Volvariella aldrichi* Cossmann**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 413, pl. 65, fig. 3

Claiborne Bluff, Alabama R., Monroe Co., Ala.

sd., uppermost gr., middle Eocene

3364 ***Volvulella conradiana* (Gabb)**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 494, pl. 74, fig. 15

Lisbon Bluff, Alabama R., Monroe Co., Ala.

fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene

3365 ***Volvulella conradiana* (Gabb)**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 494, pl. 74, figs. 16, 18

Lisbon Bluff, Alabama R., Monroe Co., Ala.

fm., [upper Lisbon fm.], upper Claiborne gr., middle Eocene

3366 ***Volvulella conradiana* (Gabb)**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 494, pl. 74, fig. 17

Lisbon Bluff, Alabama R., Monroe Co., Ala.

fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene

3367 ***Volvulella loisae* Palmer**

Holotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 495, pl. 74, figs. 3, 4

Moseley's Ferry [Stone City Bluff], Brazos R., Burleson Co., Tex.

Stone City beds, middle Claiborne gr., middle Eocene

3362 ***Volvulella minutissima* (Gabb)**

Hypotype

Palmer, B.A.P., v. 7, No. 32, 1937, p. 493, pl. 74, figs. 10, 11

Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.

Cook Mt. fm., upper Claiborne gr., middle Eocene

- 3368 **Volvulella minutissima** (Gabb) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 493, pl. 74, fig. 9
Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 20026 **Volvulella cf. minutissima** (Gabb) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 452,
pl. 64, fig. 24
Danville Ldg., Ouachita R., Catahoula Par., La. lower
Jackson gr., upper Eocene
- 20291 **Volvulella** sp. Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 190, depth 3960-3975 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulía, Ven. La Rosa fm.,
lower Miocene
- 3363 **Volvulella volutata** (Meyer and Aldrich) Hypotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 492, pl. 74, figs. 13, 14
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 3360 **Volvulella wellsi** Palmer Holotype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 494, pl. 74, fig. 5
Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 3361 **Volvulella wellsi** Palmer Paratype
Palmer, B.A.P., v. 7, No. 32, 1937, p. 494, pl. 74, fig. 6
Lapiniere Ldg., E. bank of Ouachita R., Ouachita Par., La.
Cook Mt. fm., upper Claiborne gr., middle Eocene
- 21711 **Vulvulina advena** Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 6, pl. 1, fig. 24
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 21731 **Vulvulina advena** Cushman Hypotype
Cole, B.A.P., v. 14, No. 53, 1928, p. 6, pl. 3, fig. 17
Tuxpan* R. near Chapapote, St. of Vera Cruz, Mex.
Chapapote fm., upper Eocene
- 25084 **Vulvulina pachyheilus** Hadley Holotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 7, pl. 1, figs. 2-4
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25086 **Vulvulina pachyhellus** Hadley Paratype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 7
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel,
Piñar del Río Prov., Cuba Oligocene
- 25143 **Vulvulina pennatula** (Batsch) Hypotype
Hadley, B.A.P., v. 20, No. 70A, 1934, p. 8
Fifty m. SE. entrance gate to Cuban Naval Acad., Mariel
Piñar del Río Prov., Cuba Oligocene

- 21613 **Vulvulina cf. spinosa** Cushman Hypotype
 Cole, B.A.P., v. 14, No. 51, 1927, p. 12, pl. 1, fig. 10
 Twelve km. W. (Nuttall, 1930) ("E") of Potrero, near Guay-
 abal, St. of Vera Cruz, Mex. Guayabal fm., middle
 Eocene
- 4882 **Woodsalia paitana** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 69, pl. 11, fig. 5
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 4883 **Woodsalia paitana robusta** Olsson Holotype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 70, pl. 11, fig. 9
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 4899 **Woodsalia paitana robusta** Olsson Paratype
 Olsson, B.A.P., v. 28, No. 111, 1944, p. 70, pl. 11, fig. 3
 Tortuga, coast of Paita Pen., Dept. of Piura, Peru
 lower zone, Maestrichtian
- 24102 **Xancus aviaguensis** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931, p.
 38, pl. 19, fig. 2
 E. 830 m. and N. 100 m. from the northern house at Aviagua
 (Aviagua is 15.6 km. E. and 1.4 [km.] S. of Dabajuro), Dist.
 of Buchivacoa, St. of Falcón, Ven. upper middle Oli-
 gocene
- 24110 **Xancus colinensis** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
 p. 40, pl. 21, fig. 4
 E. 2.3 km. and N. 750 m. from La Vela de Coro lighthouse,
 Dist. of Colina, St. of Falcón, Ven. upper middle
 Miocene
- 24111 **Xancus falconensis** H. K. Hodson Holotype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
 p. 40, pl. 22, fig. 1
 Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón,
 St. of Falcón, Ven. lower Miocene
- 24113 **Xancus falconensis** H. K. Hodson Paratype
 Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
 p. 40, pl. 22, fig. 3
 Cantaure*, Cocodite area, Paraguaná Pen., Dist. of Falcón,
 St. of Falcón, Ven. lower Miocene
- 22956 **Xancus magdalenensis** Weisbord Holotype
 Weisbord, B.A.P., v. 14, No. 54, 1929, p. 46, pl. 7, fig. 1
 Near Tuberá, Dept. of Atlantico, Co. middle Miocene
- 24236 **Xancus (Eoxancus) paytensis** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 48, pl. 7, fig. 1
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene

- 24239 **Xancus (Eoxancus) paytensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 48, pl. 7, fig. 4
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24240 **Xancus (Eoxancus) paytensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 48, pl. 7, fig. 6
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 3690 **Xancus peruvianus** Olsson Holotype
Olsson, B.A.P., v. 14, No. 52, 1928, p. 89, pl. 21, fig. 5
Near Casa Saman, 10 mi. NW. of Sullana, Dept. of Piura, Peru
Chira sh., lower Oligocene
- 1116 **Xancus praeovoides** Maury Hypotype
Maury, B.A.P., v. 10, No. 42, 1925, p. 207, pl. 38, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forbes
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale
fm., upper Miocene
- 24148 **Xancus praeovoides riosecanus** H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931,
p. 12, pl. 11, fig. 1
E. 3.1 km. and N. 960 m. from town of Río Seco (Río Seco
is 17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda,
St. of Falcón, Ven. Near Miocene-Pliocene contact
- 24149 **Xancus praeovoides riosecanus** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 60, 1931,
p. 12, pl. 12, fig. 1
E. 3.1 km. and N. 960 m. from town of Río Seco (Río Seco
is 17.2 km. N. and 5.5 km. E. of Urumaco), Dist. of Miranda,
St. of Falcón, Ven. Near Miocene-Pliocene contact
- 21071 **Xancus scopulus** Olsson Holotype
Olsson, B.A.P., v. 9, No. 39, 1922, p. 111, pl. 11, fig. 1
Banana R., Limon Prov., C. R. Gatun fm., middle
Miocene
- 24237 **Xancus (Eoxancus) talarensis** Olsson Paratype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 47, pl. 7, fig. 2
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
- 24238 **Xancus (Eoxancus) talarensis** Olsson Holotype
Olsson, B.A.P., v. 17, No. 62, 1930, p. 47, pl. 7, figs. 3, 5
Yasila, Dept. of Piura, Peru Talara fm., lower upper
Eocene
Type species of *Eoxancus* Olsson, 1930
- 24107 **Xancus tirantensis** H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
p. 39, pl. 21, fig. 1
Cerro de Los Tirantes, 18.6 km. E. and 940 m. S. of Dabajuro
church, Dist. of Buchivacoa, St. of Falcón, Ven. Oli-
gocene-lower Miocene

- 24108 *Xancus tirantensis* H. K. Hodson Paratype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
p. 39, pl. 21, fig. 2
Cerro de Los Tirantes, 18.6 km. E. and 940 m. S. of Dabajuro
church, Dist. of Buchivacoa, St. of Falcón, Ven. Oligo-
cene-lower Miocene
- 24109 *Xancus tirantensis* H. K. Hodson Holotype
Hodson, F., and Hodson, H. K., B.A.P., v. 16, No. 59, 1931,
p. 39, pl. 21, fig. 3
Cerro de Los Tirantes, 18.6 km. E. and 940 m. S. of Dabajuro
church, Dist. of Buchivacoa, St. of Falcón, Ven. Oligo-
cene-lower Miocene
- 1117 *Xancus trinitatis* Maury Holotype
Maury, B.A.P., v. v. 10, No. 42, 1925, p. 208, pl. 39, fig. 1
Springvale* [Mt. Pleasant Quarry], 5100 ft. NNE. Forres
Park sugar mill, near Savaneta ["Savonetta"], Montserrat
Ward, SE. Caroni Co., Trinidad, W. I. Springvale
fm., upper Miocene
- 24743 *Xenophora conchyliophora* (Born) Representative specimen
Perry and Schwengel, 1955, p. 128, pl. 24, fig. 170
Six fm. off Sanibel, Lee Co., Fla. Recent
- 331 *Xenophora conchyliophora* (Born) Hypotype
Harris, B.A.P., v. 3, No. 11, 1899, p. 85, pl. 11, fig. 17
Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
Wilcox [Sabine] gr., lower Eocene
- 4527 *Xenophora conchyliophora* (Born) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 258,
pl. 30, figs. 15, 17
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 4528 *Xenophora conchyliophora* (Born) Hypotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 2, 1947, p. 258,
pl. 30, figs. 16, 18
Town Cr., Jackson, Hinds Co., Miss. Moodys Branch
fm., lower Jackson gr., upper Eocene
- 119 *Xenophora* sp. Figured specimen
Harris, B.A.P., v. 1, No. 4, 1896, p. 117, pl. 12 fig. 12
One mi. N. of Midway or 1 mi. N. of Prairie Bluff, Wilcox
Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 120 *Xenophora* sp. Figured specimen
Harris, B.A.P., v. 7, No. 4, 1896, p. 117, pl. 12, fig. 13
One mi. N. of Midway or 1 mi. N. of Prairie Bluff, Wilcox
Co., Ala. Clayton fm., lower Midway gr., Paleocene
- 2802 *Xenophora* sp. Figured specimen
Palmer, B.A.P., v. 7, No. 32, 1937, p. 143, pl. 14, figs. 1, 6
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene

- 2068 ***Yasila chiraensis*** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 104, pl. 14, fig. 9
 Near Quercotilla, Chira Valley, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 2070 ***Yasila chiraensis*** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 63, 1931, p. 104, pl. 14, fig. 11
 Near Quercotilla, Chira Valley, Dept. of Piura, Peru
 Chira fm., lower Oligocene
- 24276 ***Yasila paytensis*** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 11, fig. 11
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24281 ***Yasila paytensis*** Olsson Holotype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 11, fig. 16
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
 Type species of *Yasila* Olsson, 1930
- 24282 ***Yasila paytensis*** Olsson Paratype
 Olsson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 11, fig. 17
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 24283 ***Yasila paytensis*** Olsson Paratype
 Olson, B.A.P., v. 17, No. 62, 1930, p. 60, pl. 11, fig. 18
 Yasila, Dept. of Piura, Peru Talara fm., lower upper
 Eocene
- 155 ***Yoldia aldrichiana*** Harris Holotype
 Harris, B.A.P., v. 2, No. 9, 1897, p. 53, pl. 8, fig. 15
 Woods Bluff, Tombigbee R., Clarke Co., Ala. upper
 Wilcox [Sabine] gr., lower Eocene
- 21282 ***Yoldia bocasensis*** Olsson Syntypes
 Olsson, B.A.P., v. 9, No. 39, 1922, p. 176, pl. 28, figs. 21, 22
 Bocas del Toro, Bocas del Toro Prov., Pan. Gatun
 fm., middle Miocene
- Yoldia eborea*** Conrad Hypotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 56, pl. 4, fig. 7 (lost
 prior to 1937)
 Exact locality not designated Midway gr., Paleocene
- 35 ***Yoldia kindlei*** Harris Holotype
 Harris, B.A.P., v. 1, No. 4, 1896, p. 56, pl. 4, fig. 6
 Hannah's, 1 3/4 mi. N. of Crainesville, Hardeman Co., Tenn.
 Midway gr., Paleocene
- 613 ***Yoldia psammotaea*** Dall Hypotype
 Harris, B.A.P., v. 6, No. 31, 1919, p. 72, pl. 25, figs. 25, 29;
 Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 57,
 pl. 13, figs. 20, 21
 Base of bluff, Claiborne, Alabama R., Monroe Co.,
 Cook Mt. fm. [upper Lisbon fm.] upper Claiborne gr., midde
 Eocene

- 614 **Yoldia psammotaea** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 72, pl. 25, fig. 26
Lisbon Bluff, Alabama R., Monroe Co., Ala. Cook Mt.
fm. [upper Lisbon fm.], upper Claiborne gr., middle Eocene
- 615 **Yoldia psammotaea** Dall Hypotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 72, pl. 25, fig. 27
Base of bluff, Claiborne, Alabama R., Monroe Co., Ala.
Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr., middle
Eocene
- Yoldia psammotaea orangeburgensis** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 25, fig. 30 (lost
prior to 1937)
Five mi. N. of Orangeburg, Orangeburg Co., S. C.
McBean fm., upper Claiborne gr., middle Eocene
- 4231 **Yoldia ?psammotaea rubamnis** Harris Holotype
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 58,
pl. 14, fig. 1
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 616 **Yoldia psammotaea vivianensis** Harris Holotype
Harris, B.A.P., v. 6, No. 31, 1919, p. 73, pl. 25, fig. 31
Vivian, Caddo Par., La. Cook Mt. fm., upper Claiborne
gr., middle Eocene
- 4079 **Yoldia (Orthoyoldia) quiba** Olsson Holotype
Olsson, B.A.P., v. 27, No. 106, 1942, p. 26, pl. 3, fig. 5
Charco Azul, 10 km. S. of Puerto Armuelles, Chiriquí Prov.,
Pan. Charco Azul fm., Pliocene
- 4228 **Yoldia** sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 58,
pl. 13, fig. 17
Montgomery Ldg., Red R., Grant Par., La. Moodys
Branch fm., lower Jackson gr., upper Eocene
- 4229 **Yoldia** sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 58,
pl. 13, fig. 18
Little Stave Cr., near Jackson, Clarke Co., Ala.
Jackson gr., upper Eocene
- 4230 **Yoldia** sp. Figured specimen
Harris and Palmer, B.A.P., v. 30, No. 117, pt. 1, 1946, p. 58,
pl. 13, fig. 19
White Bluff, S. bank Arkansas R., Jefferson Co., Ark.
lower Jackson gr., upper Eocene
- 3902 **Zanthopsis vulgaris** Rathbun Hypotype
Rathbun, U.S.N.M. Bull. 138, 1926, p. 52 (catalogued in
U.S.N.M. under #353402)
Gibson Cr., about 5 mi. NW. of Oakville, Grays Harbor Co.,
Wash. middle Oligocene
- 20811 **Zeauvigerina lodoensis** Martin Paratype
Martin, Stanford Univ. Publ., Univ. Ser., Geol. Sci., v. 3, No.
3, 1943, p. 21, pl. 5, fig. 1; Marks, Micropal., v. 6, No. 4, 1952,
p. 40

Lodo Gulch, NE. $\frac{1}{4}$ Sec. 29, NW. $\frac{1}{4}$ Sec. 28, T. 15 S., R. 13 E.,
(I-S 3-82) Mt. Diablo baseline and meridian, Panoche Quad-
rangle, Fresno Co., Calif. Lodo fm., Paleocene-Eocene

- 24425 **Zonophyllum** sp. Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 98, pl. 10, fig. 5 (transverse section)
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian
- 24427 **Zonophyllum** sp. Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2B, 1943,
p. 98, pl. 10, fig. 6
Caño Grande branch of upper Río Cachirí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle
Devonian

APPENDICES

I. A NEW SUBSPECIES OF *CRASSATELLA CLARKENSIS*
(DALL) FROM THE CLAIBORNE EOCENE OF SOUTHERN
UNITED STATES

LOIS SCHOONOVER KENT

***Crassatella clarkensis ludoviciana* Kent, n. subsp.** Pl. 1, figs. 3-8
Crassatellites clarkensis var. *ludovicianus* Harris, 1919, Bull. Amer. Pal., vol.
6, No. 31, p. 101 *nomen nudum*.

Harris' original description. “. . . With these [*C. clarkensis*, s.s.] at St. Maurice and near Enterprise, Miss., are similar forms with rather fine and extensively displayed concentric marking; these may receive the varietal name of *ludovicianus*.”

In the Harris collections are two specimens labelled “*C. clarkensis* var. *ludovicianus*. Types.” One is from St. Maurice, Louisiana, and the other from “8 mi. W. of Enterprise, Miss.” Both are broken, the posterior parts are missing. Both are worn and parts of the surface layers are gone, showing the conspicuous radial ribbing of the subsurface layer. On the Enterprise specimen (Pl. 1, fig. 4) the concentric umbonal ribs extend about 8 mm. from the beak, but on the St. Maurice specimen (Pl. 1, fig. 3) they appear to extend at least 10 mm., gradually giving way to simple, closely spaced growth lines. Part of the surface of the shell is exfoliated where this change occurs and it is hard to determine just where the umbonal ribs cease. Neither of these specimens appears to have been as much inflated as the Ouachita River specimens described below.

Most of the specimens in the Harris material are from the Cook Mountain formation on the Ouachita River, Louisiana, and they show much finer concentric undulations than other species or variations of this stock. The distinctive umbonal ribs extend for a distance of about 8 mm. as opposed to the 3 mm. cited by Dall for *C. clarkensis*, s. s. In some specimens the growth lines of the whole shell simulate these fine umbonal ribs. The carina in all the specimens from this locality is marked, the posterior dorsal margin

straight or slightly convex, the posterior dorsal angle smooth and rounded, and the shell is only slightly produced. The sinuosity just anterior to the carina is less pronounced than in *C. clarkensis*, s. s. (Pl. 1, figs. 1, 2). The fine concentric ribs on the umbones are a little finer than the types but are of the same general character.

The ligamental cavity is deeply impressed, concave, and in the Ouachita River specimens extends only about two-thirds of the distance to the ventral border of the hinge plate. The suite of 16 specimens from the Ouachita River seems rather distinct from any others in the collection. In only three specimens does the ligamental pit fail to terminate definitely about one-third of the width of the hinge plate above the ventral margin, and one of these is a young specimen.

The pit in these specimens is more curved and more deeply impressed than in any other species or variation of this stock except *C. clarkensis postclarkensis*. The restriction of the pit suggests *Crasatella*, s.s. as defined by Stewart¹, but other characters would place these specimens in *Bathytormus* Stewart, 1930. Stewart remarked on finding one valve of *C. clarkensis* from St. Maurice which had a restricted pit, and in this respect these Ouachita River specimens are the same.

The Enterprise, Mississippi, type shows a similar but less pronounced restriction of the pit. The St. Maurice specimen has the pit more sharply concave, and the posterior lateral tooth cuts in more closely, narrowing the space between it and the posterior cardinal.

The anterior and ventral margins are finely crenate.

Horizon.—Cook Mountain formation, upper Claiborne group, middle Eocene.

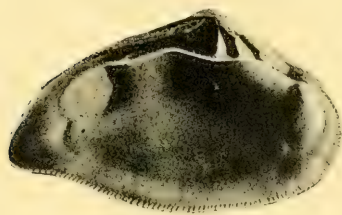
Localities.—St. Maurice, Winn Parish; east bank, Lapiniere Landing, Ouachita River, Ouachita Parish, Louisiana; 8 miles west of Enterprise, Clarke County, Mississippi.

Types.—Holotype, No. 2466; paratypes, 2463, 2464, 2465, Paleontological Research Institution.

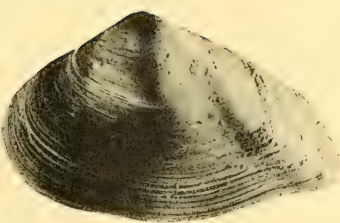
¹ Stewart, R. B., Gabb's California Cretaceous and Tertiary Type Lamellibranchs, Acad. Nat. Sci., Philadelphia, Spec. pub. No. 3, p. 136, 1930.

Explanation of Plate 1

Figure	Page
1, 2. <i>Crassatella clarkensis</i> Dall	987
Typical form. Lisbon, Ala., middle Eocene. P.R.I. No. 7175. Length, 27 mm.; height, 16.5 mm	
3 - 8. <i>Crassatella clarkensis ludoviciana</i> Kent, new subspecies	986
3. Paratype, P.R.I. No. 2464, St. Maurice, La., middle Eocene. Length, 18 mm. (broken); height, 16 mm.	
4. Paratype, P.R.I., No. 2463. Eight mi. w. Enterprise Miss., middle Eocene. Length, 25 mm. (broken); height, 19 mm.	
5, 6. Paratype, P.R.I. No. 2465. Lapiniere Ldg., Ouachita R., La., middle Eocene. Length, 21 mm.; height, 13.5 mm.	
7, 8. Holotype, P.R.I. No. 2466. Lapiniere Ldg., Ouachita R., La., middle Eocene. Length, 30.5 mm.; height, 17 mm.	



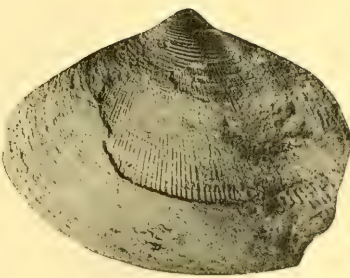
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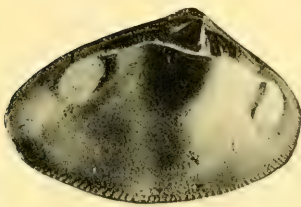
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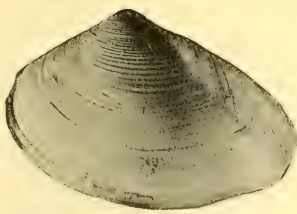
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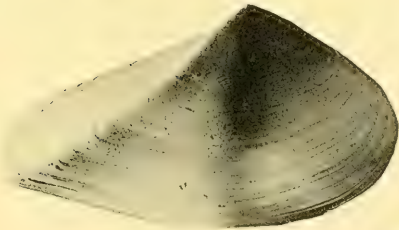
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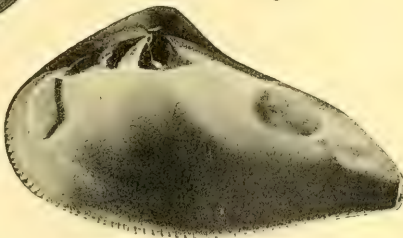
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8

II. MUREX SABINOLA PALMER, NEW NAME FOR MUREX VEATCHI PALMER, 1937

KATHERINE V. W. PALMER

Murex sabinola Palmer, new name

Murex veatchi Palmer, 1937, Bull. Amer. Paleont., vol. 7, No. 32, p. 266 is preoccupied by *Murex veatchi* Maury, 1910, Bull. Amer. Paleont., vol. 4, No. 21, p. 26. Occasion is, therefore, taken herein to rename *Murex veatchi* Palmer, 1937, *Murex sabinola* Palmer, new name. See pages 572, 573 this Bulletin.

III. SPECIMENS STUDIED BY G. D. HARRIS, PALAEONTOGRAPHIC AMERICANA, VOLUME 1, NUMBER 2, 1920

The specimens which Harris studied and figured in the preparation of the article apparently were lost subsequently. They are not in the Harris collection at present and had not been located previously, except *Alveinus minutus* Conrad, pl. 17, fig. 13.

The specimens which were designated as in the Harris collection and would be in the Paleontological Research Institution are the following:

Lutetia texana Harris, p. 111, pl. 17, figs. 7, 8. Holotype. San Augustine road, 5.5 mi. E. of Nacagdoches Hill, E. side Tuscon Creek, Nacogdoches Co., Tex. Cook Mt. fm., upper Claiborne gr., middle Eocene

Alveinus minutus Conrad, p. 112, pl. 17, figs. 11, 12; p. 115, fig. 5. Hypotype. La. (exact locality not given), lower Jackson gr., upper Eocene.

Alveinus minutus Conrad, p. 112, pl. 17, fig. 13. Hypotype. Jackson, Miss. Moodys Branch fm., lower Jackson gr., upper Eocene. No. 20962.

Kelliella boettgeri Meyer, p. 114, pl. 17, figs. 16-18; p. 115, fig. 7. Hypotype. Jackson, Miss. Moodys Branch fm., lower Jackson gr., upper Eocene

IV. SPECIMENS IDENTIFIED AND LISTED BY N. E. WEISBORD FROM YUCATAN PENINSULA, MEXICO

The collection from the Yucatan Peninsula collected and identified by Norman E. Weisbord (*Nautilus*, v. 39, No. 3, 1926, pp. 81-87) was deposited in the Paleontological Research Institution by Mr. Weisbord. The material consists of the species as listed and bears the catalogue numbers 8000-8204. The specimens also had been numbered as to station number corresponding to each locality as reported in the article by Weisbord (1926, p. 81). The list as published does not give the locality or localities of each species. That information may be obtained from Paleontological Research Institution files and with the specimens. The list is too long to include herein.

V. INCERTAE SEDIS

- 5092 Sandstone slab containing brachiopods
Caster, B.A.P., v. 15, No. 58, 1930, pl. 1 (frontispiece)
Stone Hill, near Warren, Warren Co., Pa. Corry ss.
("Venango First Oil sd."), Lower Mississippian
- 20193 Bryozoan A Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well La Rosa No. 13, depth 2450-2470 ft., Bolívar Coastal Field,
Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm., lower
Miocene
- 20194 Bryozoan B Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Punta Benitez No. 141, depth 3277-3287 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 20195 Bryozoan C Unfigured specimen
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1695
Well Lagunillas No. 215, depth 3400-3420 ft., Bolívar Coastal
Field, Dist. of Bolívar, St. of Zulia, Ven. La Rosa fm.,
lower Miocene
- 5480C Bryozoan possibly Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 179, pl. 3, fig. 21 (not 5480
as on expl. of pl.)
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 5481 Bryozoan possibly zoarium Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 180, pl. 14, fig. 23
Floresta, lat 5° 51' N.; long 72° 53' W., on rd. between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian

- 20158 Caprinids, sections of Unfigured specimens
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1642
On main highway 1300 m. SW. of La Cuchilla, Dist. of Carache,
St. of Trujillo, Ven. Apón fm., Middle Cretaceous
- 5082 Crinoid plate Figured specimen
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 16, fig. 16
Ft. Hunter, Montgomery Co., N. Y. "Calciferos", Tribes
Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5083 Crinoid plate Figured specimen
Cleland, B.A.P., v. 3, No. 13, 1900, p. 19, pl. 16, fig. 17
Ft. Hunter, Montgomery Co., N. Y. "Calciferos", Tribes
Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 5084 Crinoid plate Figured specimen
Cleland, B.A.P., v. 3, N. 13, 1900, p. 19, pl. 16, fig. 18
Ft. Hunter, Montgomery Co., N. Y. "Calciferos", Tribes
Hill ls., Beekmantown gr., Canadian (Lower) Ordovician
- 20160 Crinoid stems, Bryozoa Unfigured specimens
Sutton, A.A.P.G., v. 30, No. 10, 1946, p. 1637
Caño del Norte branch of upper Río Cachim, about 275 m. above
junc. with Caño del Oeste, Dist. of Maracaibo, St. of Zulia, Ven.
Permo-Carboniferous
- 4001 Cycloid fish scale Figured specimen
Liddle and Palmer, B.A.P., v. 26, No. 100, 1941, pt. 2, p. 35, pl. 7,
fig. 7
Three km. NW. Azógues, Cañar Prov., Ecu. Biblián ss.,
possible Miocene
- 25079 Cyrtocone probably an oncoceroid Unfigured specimen
Flower, Jour. Pal., v. 26, No. 3, 1952, p. 508
Near Canyon City, Fremont Co., Colo. Harding ss., Cham-
plainian, Middle Ordovician
- 6034 Foraminifera (4 thin sections) Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 1, 1943, p. 25,
pl. 9, fig. 7
Caño del Norte branch of upper Río Cachim, Dist. of Maracaibo,
St. of Zulia, Ven. Permo-Carboniferous
- 1901 Gastropod Unfigured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938
Just N. of mouth of Luculo R., Quimbriz, Angola Quim-
briz fm., Eocene [Miocene, Darteville and Roger, 1954]
- 1905 Gastropod Figured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938, pl. 7,
fig. 10 (missing prior to 1939)
Cliffs just N. of mouth of Luculo R., Quimbriz, Angola (loc. S 1)
Quimbriz fm., Eocene [Miocene, Darteville and Roger,
1954]
- 1922 Gastropod Unfigured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938
Mouth of Luculo R., Quimbriz, Angola Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]

- 1923 Gastropod Unfigured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938
Mouth of Luculo R., Quimbriz, Angola Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]
- 5484 Gastropod fragment Figured specimen
Caster, B.A.P., v. 24, No. 83, 1939, p. 179, pl. 13, fig. 26
Floresta, lat 5° 51' N.; long 72° 53' W., on rd between Santa
Rosa and Corales, Dept. of Boyaca, Col. Floresta series,
Middle Devonian
- 24983 Lamellibrauch indet. Unfigured specimen
Darteville and Roger, Comun. Serviços Geol. de Portugal, v. 35,
1954
Sea cliff, 20 km. N. of Benguela Velha (= Port Amboim), Angola
Miocene
- 6019 Myophora-shaped specimen Figured specimen
Liddle, Harris, and Wells, B.A.P., v. 27, No. 108, pt. 2A, 1943, p.
71, pl. 7, fig. 13
Caño Grande branch of upper Río Cachimí, Dist. of Maracaibo,
St. of Zulia, Ven. Caño Grande fm., Lower-Middle De-
vonian
- 1920 Pelecypod Unfigured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938
Mouth of Luculo R., Quimbriz, Angola Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]
- 1921 Pelecypod Unfigured specimen
Caster, Comun. Serviços Geol. de Portugal, v. 20, 1938
Mouth of Luculo R., Quimbriz, Angola Quimbriz fm.,
Eocene [Miocene, Darteville and Roger, 1954]
- 1549 Rudistid associated with *Amphitriscoelus* Figured specimen
Harris and Hodson, F., P. A., v. 1, No. 3, 1922, pl. 9, figs. 5, 6
Near the 5¼ mi. post Plum Rd., central Turure Ward, SE. St.
Andrew Co., Trinidad, W. I. Lower Cretaceous
- 5869 Siphuncular stages Figured specimen
Flower, P. A., v. 2, No. 10, 1939, p. 23, text fig. 4 (sections of
several small specimens). Illustrates "atavism" (Flower). No
locality designated
- 20133 Venerid (no identification) Unfigured specimen
Sutton, A.A.F.G., v. 30, No. 10, 1946, p. 1681
W. side of small quebrada 880 m. S. 40° E. of well Sibucara No.
4, Cojoro structure, Cañada Honda area, Dist. of Maracaibo, St.
of Zulia, Ven. Las Flores fm., upper Eocene

VI. SPECIMENS OF *BUSYCON* FROM BEAUFORT, NORTH CAROLINA STUDIED BY H. MAGALHAES

The extensive suite of shells of *Busycon* which Hulda Magalhaes used in her observations 1942, 1943, and 1944 at Beaufort, North Carolina, were deposited in the Paleontological Research Institution, March 28, 1955 (Acc. 286). The study was published by Magalhaes as "An ecological study of snails of the genus *Busycon* at Beaufort, North Carolina", in *Ecological Monographs*, Duke University, Number 18, 1948, pages 377-409. The bulk material bears the Paleontological Research Institution station number 1472. Some of the particular specimens of *Busycon* which were illustrated in the paper have been identified as such, catalogued separately, and are listed in the body of this catalogue.

VII. SPLIT OF UNPICKED ORIGINAL MATERIAL OF WETUMKA, WEWOKA, AND HOLDENVILLE FORMATIONS BY A. S. WARTHIN, JOURNAL, OKLAHOMA GEOLOGICAL SURVEY BULLETIN NUMBER 53, 1930

A lot of original material from that studied and published on by A. S. Warthin, Jr. from the Pennsylvanian formations Wetumka, Wewoka, and Holdenville was deposited by Dr. Warthin in the Paleontological Research Institution. That collection bears the P.R.I. station numbers 1737 a-k.

VIII. MISCELLANEOUS ROCK SAMPLES

1. JAMESTOWN WELL SECTION, G. D. HARRIS, AMERICAN JOURNAL OF SCIENCE, VOLUME 7, 1891

Well samples from the Broadhead Well, Jamestown, New York, 2435'-3263' were examined, recorded, and discussed, (pl. 4) in "Notes on the geology of southwestern New York", in American Journal of Science volume 7, 1891, pages 164-178 by G. D. Harris. The samples were deposited in the Paleontological Research Institution and bear the catalogued numbers 25016-25054.

2. C. J. MAURY, BULLETINS OF AMERICAN PALEONTOLOGY, VOLUME 10, NUMBER 42, 1925

21343 Concretions

Maury, B.A.P., v. 10, No. 42, 1925, p. 19, text fig.

Hurupu Trail near Guanoco, SE. Prov. of Sucre, Ven.
Turonian, Cretaceous

3. R. A. LIDDLE, BULLETINS OF AMERICAN PALEONTOLOGY
VOLUME 27, NUMBER 108, 1943

The samples listed by R. A. Liddle, *Bulletins of American Paleontology*, v. 27, No. 108, 1943, pp. 40-53 have been discussed in a published work and are, therefore incorporated in the suites of material represented in this catalogue. They bear the same sample numbers as published.

4. B. SMITH, PALAEONTOGRAPHIC AMERICANA,
VOLUME 3, NUMBER 22, 1948

- 20382 Laminated beds from Rivière-du-Sud, St. François, Montmagny, Quebec Prov., Canada
B. Smith, P. A., v. 3, No. 22, 1948, p. 7, 8, pl. 2, fig. 6
Quaternary
See *Placifusus kröyeri* (Müller) #20067, U. A., v. 3, No. 19, 1945, p. 34, pl. 3, figs. 20-22
- 20383 Jointed marine clay from Rivière-du-Sud, St. François, Montmagny, Quebec Prov., Canada
B. Smith, P. A., v. 3, No. 22, 1948, p. 7, 8, pl. 2, fig. 6
Quaternary
See *Placifusus kröyeri* (Müller) #20067, P. A., v. 3, No. 19, 1945, p. 34, pl. 3, figs. 20-22

IX. OMISSIONS AND CORRECTIONS

1. OMISSIONS

- 24529 *Arcoperna* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 26, pl. 13, fig. 12
Perry, Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 24530 *Arcoperna* sp. Figured specimen
Harris, B.A.P., v. 33, No. 138, 1951, p. 26, pl. 13, fig. 13
Clinchfield quarry, Houston Co., Ga. "Ocala ls.", Jackson gr., upper Eocene
- 14904 "*Astarte carolinensis*" Hypotype
McClean, B.A.P., v. 36, No. 160, 1956, p. 307
Powell's Lake Spillway, "bed (3d layer)" [*Eephora*] York Co., Va. Yorktown fm., upper Miocene
- 14919 *Glycymeris subovata* Say Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co., Va. Yorktown fm., upper Miocene

- 14918 **Glycymeris subovata** Say Hypotypes
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, 4 ft. up bank midbeach, James City Co., Va.
Yorktown fm., upper Miocene
- 14903 **Ostrea** sp. Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powell's Lake Spillway, *Ecphora* bed (3d from top sand), York
Co., Va. Yorktown fm., upper Miocene
- 14902 **Pecten** sp. Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powell's Lake Spillway, *Ecphora* bed (3d from top sand), York
Co., Va. Yorktown fm., upper Miocene
- 14901 **Pecten** sp. Unfigured specimen
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Powell's Lake Spillway, "bed 3d layer" [*Ecphora*] York Co.,
Va. Yorktown fm., upper Miocene
- 14905 **Pecten jeffersonius** Say Hypotype
McLean, B.A.P., v. 36, No. 160, 1956, p. 307
Carter's Grove, base of bank lower end of beach, James City Co.,
Va. Yorktown fm., upper Miocene

2. CORRECTIONS

Paleontological Research Institution number 161, *Callista sylvaerupis* (Harris), is figures 9 and 11, plate 13 in Palmer, Paleontographica Americana volume 1, number 5.

Delete No. 20672 before *Fronicularia christneri* Carsey, p. 393.

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